



The

HEMIST AND DRUGGIST

RETAILER - WHOLESALE - MANUFACTURER

Founded 1859

28 Essex Street, Strand, London, W.C.2

Registered as a Newspaper

364
XLII

JULY 29, 1944

Annual Subscription (with
Diary) 25/- Single copies 9d.



TRADE MARK **'MERTHIOLATE'** BRAND

Sodium Ethyl Mercuri Thiosalicylate.

'Merthiolate' is noted for its general applicability in clinical antiseptics. The germicidal action of 'Merthiolate' is prompt and its antiseptic effect is well sustained. Tincture 'Merthiolate' is intended for presurgical disinfection of the skin. Solution 'Merthiolate' is stainless, non-irritating and is intended for general clinical use. 'Merthiolate' is also supplied in ointment, cream, jelly and suppository forms.

PATA.

LI LILLY AND COMPANY LIMITED
BASINGSTOKE, HANTS

TAKA-DIASTASE

●

PARKE, DAVIS & CO. wish to announce that they now have supplies of Taka-Diastase, and that the following products are available:—

Taka-Diastase Tablets $2\frac{1}{2}$ grains

Taka-Diastase & Pepsin Compound Tablets

Taka-Diastase, Pepsin & Pancreatin Tablets (C.C.T. 296)

Each of the above tablets is supplied in bottles of 25 and 100.

Taka-Diastase Sedative Elixir (No. 198)

In bottles of 4 and 16 fluid ounces.

Taka-Diastase Liquid

In bottles of 4 and 16 fluid ounces.

Takazyma

In jars containing approximately 2 ounces.

●

PARKE, DAVIS & CO.
50 Beak Street. London, W.1

Inc. U.S.A., Liability Ltd.



N THE RIGHT TRACK

me," wrote Shakespeare, "is
eder of all good."

chemists all over the country are
ing to see the results of a
firm policy determined upon
the present management of J.
Simpson (Chemist), Ltd., more
three years ago when the
ss was reconstructed and the
ement changed.

fly this policy was, and still
nded upon the determination
the retail chemist the fullest
e support and an absolutely
deal.

ee things have become clear :
son products are (a) thera-
lly sound products which
ell manufactured, live up to
ims made for them and meet
esent-day needs of the public ;
ofitable products yielding a
generous margin ; and (c)
ted by well-conceived and
vative advertising.

at else have chemists noticed ?
umber of things. The fact
Simpson's have been loyal
rters of the C.F. Scheme *from*
ception. The fact that Simpson's
hind them in their buying—
chemist over-buys, Simpson's
adily exchange a surplus for
reasonable goods.

se things could not be appar-
o chemists in five minutes.
will cannot be rushed. It has

to grow. The present management
of J. W. Simpson (Chemist) Ltd.,
have persistently and consistently
sought to encourage its growth.
Your goodwill is sought. It is valued
and will continue to be deserved.

Men You Know

In every part of the country there
is a Simpson traveller, a man of
integrity whom you know as a
trusted friend. He has never let
you down, and he will not do so
now. His instructions are that you
must be satisfied. Here are the
names of all Simpson's representa-
tives together with the territories
they cover.

SCOTLAND: Mr. A. E. Rogers.

NORTHERN COUNTIES: Mr. T. W.
Miller.

YORKSHIRE, LANCASHIRE,
CHESHIRE AND N. WALES: Mr.
A. J. Rae.

EAST MIDLANDS AND EASTERN
COUNTIES: Mr. P. J. Ball.

WEST MIDLANDS: Mr. T. J. Dare
SOUTH WALES AND SOUTH-WEST
PENINSULAR: Mr. R. H. Greenwood,
M.P.S.

LONDON AND SOUTH-EASTERN
COUNTIES: Mr. W. A. Castle.

NORTHERN IRELAND: Mr. J. W.
Martin.

*Announcement by J. W. Simpson (Chemist) Ltd
Iodine House, Museum Street, London, W.C.I.*

NE IS AS ESSENTIAL TO PERFECT HEALTH AS ALL THE VITAMINS"

COMPANY MEETING**BEECHAMS PILLS
LIMITED****LARGER PROFIT FROM
WORLDWIDE ACTIVITIES**

The SIXTEENTH ORDINARY GENERAL MEETING of Beechams Pills Limited was held in London on Wednesday, July 19.

Mr. Louis Nicholas, J.P., the vice-chairman, presided, and read the following statement of Mr. Philip E. Hill, the chairman:—

The trading profit for the year ended March 31 last, earned by the companies of the group operating in the British Empire and in almost all parts of the world other than Europe, amounted to £1,471,560, as compared with £1,269,334 in the previous year. The overseas trade was most satisfactory and provides encouraging hope for the post-war period.

£1,675,037 IN TAXATION

Our group of companies has contributed to the National Exchequer £1,079,152 in Excess Profits Tax and National Defence Contributions and £595,885 in income tax, a total of £1,675,037.

Preference shares in subsidiary companies have been redeemed during the year to the amount of £105,019. As this sum came from taxed profits after paying income tax at 10s. in the £ the amount provided from profits was £210,038. A small number of shares in a subsidiary company were sold during the year at an excess over book value of £192,404, and this sum has been placed to capital reserve.

The group as a whole has a reserve set aside for future taxation amounting to approximately £300,000. Nothing has been included in the accounts in respect of the post-war refund of Excess Profits Tax, which is estimated to amount to £269,000 after allowing for income tax thereon at 10s. in the £. The Chancellor of the Exchequer in his Budget speech in April last gave satisfactory assurances with regard to this refund.

EXTENSION OF INTERESTS

This business commenced over one hundred years ago by the sale of the proprietary medicine which gives its name to the company, but at the present time many goods other than proprietary medicines are sold, and your directors are year by year extending beyond proprietary medicines the variety of the group's products.

During the past four years much time and thought has been devoted to the development of overseas trade, and the company is confident of making a considerable contribution to the export trade of this country which will be so necessary after the war. I would like to pay a personal tribute to the work of managers and staff at our factories and offices at home and overseas during the past year.

The report and accounts were adopted.

**C. T. BOWRING & CO.
(FISH OILS) LIMITED**

LIVERPOOL · LONDON · GRIMSBY

POST-WAR DEVELOPMENT

We invite offers of the undermentioned Plant Units, which we will receive for contemplated extension of activities in connection with:

MEDICINAL
VETERINARY
TECHNICAL } Products

at our existing Grimsby and Liverpool factories, and to erect an additional recently acquired factory.

We would consider the purchase of Units now operating on the products, but which may be considered by present owners as being surplus to post-war requirements.

REFRIGERATING.
DEODORISING.
BLEACHING.
FILTER PRESSES.
ELECTRIC PUMPS FOR PRESSURE SEPARATORS.
TANKS—GLASS LINED.
TANKS—STAINLESS STEEL.

**C. T. BOWRING & CO.
(FISH OILS) LTD.
TOWER BUILDING
LIVERPOOL, 3**



CROOKES' COLLOSOL MANGANESE
 a thoroughly established therapeutic
 agent for the treatment of
 BOILS · CARBUNCLES · ABSCESSES
 CHRONIC ULCERS · GONORRHOEA
 ACNE · PSORIASIS · ETC.
 Its action is tonic and stimulating

CROOKES LABORATORIES (*British Colloids Ltd.*), PARK ROYAL, LONDON, N.W.10

Dr Page-Barker's Scurf Lotion

This well-known preparation is still being manufactured to the original formula, although owing to wartime conditions supplies are somewhat restricted.

If you find any difficulty in obtaining supplies send us the name of your usual Wholesaler and we will do our best to assist you.

Trade price **18/-** per doz.

Plus Tax **ONE SIXTH**

Retail **2/9**

NOTE Reduced Purchase Tax

Sole Manufacturers and Proprietors—

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(Page-Barker Dept.)

252b GRAYS INN ROAD, W.C.1



“EEZIT”

SELLS WELL

BECAUSE IT IS A GOOD FORMULA
WELL ADVERTISED

*For 30 years
the People's
remedy for*

**HEADACHE
COLD-CHILLS
INFLUENZA**



*Powders
or Tablets*

Powders 2^p each 1/3 per pkt. Tablets 3^p & 1/3

Sole Proprietors

ARTHUR NEWSOME (Eezit Morley Ltd) MORLEY, YORKS.

Sole Distributors

M. CALTHORPE & CO LTD OSSETT, YORKS.

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TONIC FOR SALE

To-day a really first-class tonic commands readysales. MELODEN has already justified the highest confidence placed in it, and forthcoming national advertising will ensure nation-wide demand. Adequate supplies available, but early orders advisable to avoid delays.

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plus tax

Retails at 4/9 & 9/6
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Distributed by

ENZYME PRODUCTS LTD

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FOR THE TREATMENT OF DERMATITIS

OINTMENT - 2/6 & 10/-
EMULSION - 6/9
CAPSULES - 10/-

E.P. TABLETS
for DYSMENORRHOEA
20 - 2/6 100 - 10/-

All Prices include Purchase Tax

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Manufacturing Chemists

88 UPPER RICHMOND ROAD, LONDON
S.W.15 Putney 4347

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PLEASE ORDER EARLY

Chemists are invited to replace their stocks of this sought-after product now while reasonably prompt deliveries can be made. The demand this coming Autumn is sure to be very heavy.

SEROCALCIN PREVENTS COLDS

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Solganal B
Oleosum is now
 again in full supply

The demand has been most encouraging and we suggest that you maintain stocks so that prescriptions may be dispensed without delay.

As the result of articles in medical journals doses 4, 5 and 6 and 2% and 20% suspensions have been dropped; adequate therapeutic response results from doses 1, 1a, 2 and 3.

Order direct for invoicing through your usual wholesaler.

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'Solganal B' is the registered name which distinguishes aurothioglucose of British Schering manufacture



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CHEMIST....



IN our press advertisements we advise women to ask their chemist for a copy of "Hygiene for Women," by Nurse Drew.

50,000 direct applications prove women are vitally interested in feminine hygiene.

If you have not a good supply of these popular booklets for counter display then you are not getting your share of the ever-growing demand for the various Rendells Products.

Why not write us today for a supply of our latest Chemist Display Aid?

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PRODUCTS

PATA

FOR FEMININE HYGIENE

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ONE OF THE LEADING MANUFACTURING CHEMISTS

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Pills and Tablets

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sticking
out**

*Flaps, we mean — on collapsible fibre-board cases, before you return them. We're grateful for the kindly thought, but they all have to be *un-tucked* before they can be used again. So *please**

collapse them flat — *with flaps sticking out!* Thank you.

Remember, cash is paid for all usable cases at time of collection. No book entries! No credit notes! Vans collect during normal deliveries. C.R.S. vans provide regular additional service every 3-4 weeks.★

PLEASE open cases carefully. Don't break wooden lids or tear fibre-board flaps. ALLOWANCE CARD, giving full details of prices, on application.

*open carefully
keep them clean*

C.R.S.

*sort them out
have them ready*

Sole Authorised Collectors for Metal Tube Salvage.

★ Chemists who are not receiving regular Collection Service are invited to inform us immediately.

CRS 8A-51

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PILLS
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*The Triumph
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pleasant tasting
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, highly
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*You can
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Your customers will
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It will benefit them.

It will **SELL WELL**
and show you most
GENEROUS PROFIT

FROM YOUR USUAL SUNDRIES
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"Cheritone"
*The Approved
Tonic Cup
With a Cherry Flavour*

AVAILABLE
FOR
IMMEDIATE
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**IT'S A TONIC FOR
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28%

TO THE TRADE
RETAIL SELLING
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**COMPRESSED
TABLETS**

We can
give deliveries
on time and
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Cases of head and body parasites among children demand urgent treatment, and parents, nurses and teachers will be grateful for your recommendation of DERBAC SOAP. This speedy, pleasant, scientific remedy—also of great value as a preventive—can be used in home or billet without expert supervision because of the clear instructions given with each tablet. Write for details and trade terms.

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THE PERFECT HAIR CLEANSER

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REMOVES 'FUR' FROM KETTLES

Known and proved for years as the most efficient de-scaler for steam generators, water tanks, water-heating systems and many other industrial purposes, Epheta is now available for domestic use in handy 4-oz. bottles. This unique preparation removes 'fur' from kettles no matter how thick or hard, thus saving fuel, saving time, saving metal. Backed by National Advertising, Epheta sells on sight. Help the fuel situation and help yourself to quick sales and good profits by stocking and displaying Epheta.

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(Lethane 384 Special and Refined Mineral Oil)

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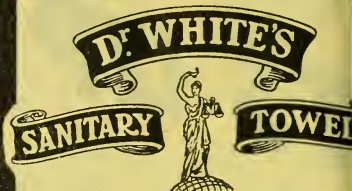
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The next Examination will probably
be held at Liverpool in December.
Further particulars later.

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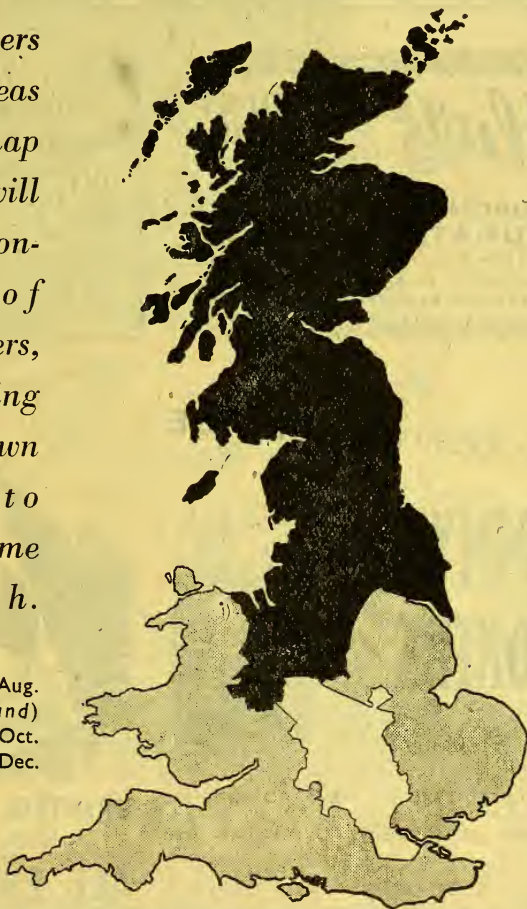
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shaded on map
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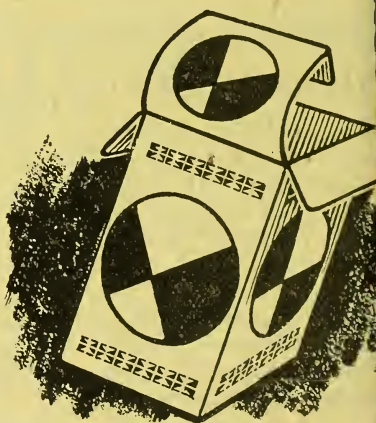


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NEWS OF THE WEEK

rd of Trade Registers.—The Board of has issued lists of amendments to the Trade and Toilet Preparations ers. Copies are obtainable from H.M. nery Office, price one penny each.

p Rationing Order.—The Soap (Licens-Manufacture and Rationing) Order, which has just been made by the ry of Food, makes it clear that gifts ap obtained for trade use are not tted, and provides that the licensee establishment is responsible for any gement of the provision relating to rrender of ration documents.

Amendments.—Notice is being given official "Gazettes" of the following ments to the British Pharmacopœia, *Pulvis Ipecacuanhæ et Opii*.— sium sulphate of the British Pharma-a, 1914, may be used in place of e in making this preparation. *Pep-* and *Pancreatinum*.—Sucrose may be n place of lactose as diluent in making preparations.

Purchase Tax Items.—The Customs and Excise authorities have given notice that sodium desoxycholate, glycocholate, taurocholate and tauroglycocholate will not in future be chargeable with purchase tax unless put up for medicinal or veterinary use. They also direct the attention of traders dealing in goods chargeable with purchase tax to Section 17 (2) of the Finance Act, 1944, which has just become law. Under this Section it is now an offence, subject to heavy penalties, for anyone to acquire possession of, or otherwise deal in, any goods on which the tax has been evaded or he has reason to believe will be evaded. Hitherto there has been no legal obligation on retailers or other unregistered traders, when buying chargeable goods, to take any steps to satisfy themselves that the tax will be duly paid. Henceforth unregistered buyers must exercise due care in this respect. They are advised in their own interest to obtain their supplies from reliable traders who furnish satisfactory invoices which can reasonably be accepted

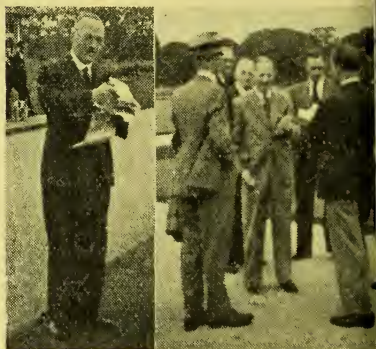
as showing that tax is not being evaded. If the supplier claims that he is not required to charge tax because he is below the £500 registration limit, the retailer may deem it advisable to obtain a written statement to that effect. This does not necessarily relieve him of his responsibility in the matter if he buys from persons unknown to him or in circumstances that appear suspicious; and in this connexion it must be remembered that a trader offering, say, £100 worth of goods has only to carry out four similar transactions in the course of a year to be liable to registration. In any case of doubt the local officer of Customs and Excise should be consulted.

London B. Pharm. Examination.—The following candidates were successful in the London University B.Pharm. examination, 1944: *External*, George Ronald Brown; Mary Elizabeth Campbell; Edwin Harold Cattell; Clarence Stuart Cole; Frank Calton Cooper; Louis Philippe Decker; Marian Drexler; William Charles Evans; Avis Hawthorne Jackson; Nora Jackson; William Kenyon; Peter Lawrie; Allan Walter Chadaway Peacock, Avadhut Krishnarao Pradhan; Sydney Thomas Read; Douglas Reeds; Dorothy Frances Salt; Geoffrey Shaw; George Edward Townsend; William Walton. *Internal*, Jean Broomfield; Frances Pamela Jackson; Jeannette Audrey Elizabeth Manly; Bruce Leslie Reynolds; Enid Elsie Shephard. Jean Broomfield and Frances Pamela Jackson have passed the examination but are not yet qualified to receive the degree because they have not completed a full course of study as internal students.

Scottish Seaweed Resources.—The Scottish Seaweed Research Association, formed recently with the co-operation of the Ministry of Supply and the Scottish Council on Industry, is now ready to determine whether Scottish seaweed resources are sufficient to build up a substantial industry. The Development Commissioners are prepared to make a £ for £ grant up to £25,000 per annum for three years, and a two-year survey is planned. The crux of the matter remains the availability of raw materials. While, in the Pacific, the weed floats, in Scotland it is submerged, and must be gathered. There are to be three main lines of development. One will cover survey and classification (assessment and location of seaweeds littoral and sublittoral). The engineering division will operate a ship specially equipped and designed to gather deep

seaweeds, and undertake the processing, drying and milling of seaweed. The chemistry division will investigate seaweed organic and inorganic constituents and give advice to those who market seaweed for use as animal feeding-stuffs, fertilizers, or for extraction of chemicals or other products. At present seaweed manufacturing in the West of Scotland covers only a few thousand tons of material per annum. The address of the Association is 28 Rutland Street, Edinburgh.

Manchester Garden Party.—The Manchester Pharmaceutical Association held a garden party at Wythenshawe Park on July 5. Many of the party took the opportunity to inspect the hall, a building



Left: Mr. W. Edwards (a past-president) records a record. Right: Arranging teams and naming partners.

many historic associations dating back to Elizabethan times, and now open a new branch art gallery and museum of the Manchester Corporation. Tea was served in the library, where the Association president (Mr. W. E. Phillipson) and chairman of the Society's branch (Mr. H. Brindle) welcomed members and friends. Results of a competition played on the miniature golf course in the afternoon were: *Ladies*, 1, Sharples; 2, Mrs. F. D. Gee; *Gentlemen*, 1, Mr. Cronin, jun.; 2, Mr. W. Gee. Evening matches were played in the evening with the winners being: *Ladies*, 1, Mrs. F. Pilling and Mrs. F. D. Gee; 2, Mrs. Brindle and Mrs. A. E. Thorpe; *Gentlemen*, 1, Mr. H. Brindle and Mr. F. D. Gee; 2, Mr. H. G. Pilling and Mr. F. C. Bain.

"Patent" Medicines a Social Evil.—Professor Henry C. Pilling gave the address before the Liverpool Luncheon Club on July 4, Professor Henry C.

of Medicine at Liverpool University urged that all "patent" medicines should be registered and made to accurately the nature of their remedy. An official body should make claims of new and unofficial remedies should apply common sense and medical knowledge for the protection of the more or less ignorant public. Mr. Cohen said that secret remedies were responsible for a far greater number of deaths than they cured. Self-medication and self-diagnosis was a danger which could not be over-stressed. A Select Committee in 1937 had estimated the total value of the proprietary medicine trade at between £20,000,000 and £28,000,000 per annum, a little less than the total cost of medical services before the war. "Patent" medicine, he alleged, was a misnomer because the main thing they were secret remedies which therefore could not be patented. "Anybody could sell them on payment of stamp duty even if they had no curative properties whatever, and the duty could be avoided by issuing labels giving, or purporting to give, the composition of the preparations being marketed." (Editorial note, p. 121.)

Newcastle Discussion on Council Election.—The Newcastle District and Northumberland Branch of the Pharmaceutical Society at its July meeting discussed the Council elections. The introducing speakers were Mr. A. Dagg, North Shields, and Mr. G. H. M. Graham, Newcastle-on-Tyne. Mr. Dagg deplored the apathy of the electorate, and the lack of knowledge of the candidates. He mentioned anomalies of the existing system, whereby Yorkshire has many members on the Council while Scotland and Wales have only one each, and suggested that candidates should be put forward by a branch or branches, that they should be well-known and eminent pharmacists, and that they should be elected by a system of territorial representation. Mr. Graham stressed four points. Members of the Council should have a higher expense allowance, to help provide the necessary locum, etc., while they were away. Two-thirds of the voters in the past election had cast their choice on non-elected representatives. Propaganda should consist of "plain qualified experience in pharmacy." Finally, only candidates who had a 100 per cent. stake in pharmacy should be accepted for nomination. Discussion followed.

PARLIAMENTARY NEWS

Oil Supplies.—The Minister of Fuel asked on July 19 if steps were being taken to obtain olive oil from Italy, said that a surplus olive oil was available from that country. There was enough olive oil in that country to meet requirements under import certificates, but no more.

Statement of Retail Traders.—In the House of Lords on July 18 the Government announced its intention to accept a private bill designed to enable small traders to set up again after the war (Hansard, June 3, p. 597). Lord Winster, Lord Chancellor, withdrew the Bill after a long speech. Lord Templemore, for the Government, said that the Government Town and Country Planning Bill would go far to meet the needs of small traders in the return of their businesses, and added: "In the Government's opinion the Bill is quite reasonable in its present form, and is not intended to secure in the most effective way the object which I know very well we all have at heart." So long as the retail trading system was continued it would be during the transition period to enable the return to their former premises and to be on the Board of Trade register. Some thousand licences had already been issued. Lord Strabolgi said we were

rapidly becoming a nation of servants to chain stores and the process of squeezing out the small man had been accelerated by the war. Lord Templemore said that the Government was naturally sympathetic with the Bill's objects but there was no ground for thinking that so elaborate a piece of legislation was necessary. Lord Winster said he was disappointed in many respects with the reply but he withdrew the Bill.

Insurance Prescriptions in Scotland.—On July 14, Mr. Linstead asked the Secretary of State for Scotland how many prescriptions were dispensed under the National Health Insurance Act in Scotland during the latest convenient period of twelve months; approximately how many individual items this represented; and how many insured persons there were during the same period. Mr. Johnston: The number of National Health Insurance prescriptions dispensed by insurance chemists in Scotland during 1943 was about 3,970,000. I am unable to say the number of individual items represented. The estimated average number of insured persons in Scotland entitled to medical benefit during the year 1943 was 2,030,000.

LEGAL REPORTS

Deficient Sulphur Ointment.—A fine of £10, with advocate's and analyst's fees totalling £3 3s., was imposed at Derby recently on Brook, Parker & Co., Ltd., for giving a false warranty with sulphur ointment. The ointment was found 2.4 per cent. deficient in sulphur. For the defence it was suggested that the deficiency was due to the inexperience of female workers. Owing to the substance not having been sufficiently stirred during a heating operation the sulphur sank to the bottom of the vessel, with the result that the top of the mixture was below the proper proportion of sulphur, while the bottom part had an excess. Defendants had now changed their method of manufacture.

Herbalist Fined for Cancer Claims.—Fines totalling £120 were imposed at Leicester on July 18 on William P. Vickerstaff, a herbalist, on twelve summonses for publishing advertisements offering to treat cancer and twelve summonses for publishing advertisements offering to advise on the treatment of cancer. The words, "the first recognised herbalist in the world to cure internal cancer," were said by the prosecution to appear under Vickerstaff's photograph on cards which bore a description of tablets exhibited in two shops owned by him. For the defence it was submitted that no one could construe these words as an offer to treat or advise on treatment. It was announced that an appeal would be entered.

Alcoholic Orange Cup.—At Bletchley, Bucks, recently, Rodger, Harris & Bowden, Ltd., 58 Victoria Street, London, S.W.1, were summoned for affixing to a bottle of Middle Park brand Orange Cup (alcoholic) a label calculated to mislead as to its nature, substance and quality. The prosecution argued that, considering the title and that the product was sold at 10s. 6d. a bottle, the customer would expect a certain amount of orange juice and a certain amount of alcohol. The analyst had reported that there was no orange juice, 2.88 per cent. of alcohol, and 96 per cent. of water and flavouring. The preparation had only recently appeared on the market, taking the place of alcoholic drinks, which were in short supply. The defence claimed there was a direct conflict of evidence. The chairman said the magistrates had had a difficult matter to decide, but they found the case proved and imposed a fine of £5, with £37 16s. costs.

Quota Offences.—At Lewes Assize July 21, the minimum fine of £10 was imposed by Mr. Justice Macnaughtan on H. A. and R. G. Mumford & Ltd., manufacturing chemists, Sussex, who were found guilty of excise trading under the Limitation of Supplies Orders; the company was also ordered to pay £500 towards the cost of the prosecution. Henry Attwood Mumford, a director described as a chemist, who was stated by the Judge to be the originator of the scheme, was sentenced to twelve months imprisonment, and Richard George Mumford, M.P.S., another director, to six months. The Gamma Corporation, Dr. Stephen Rety (a director of the company), and Boris Forter (a director of Helena Rubinstein, Ltd.) were found guilty on similar charges. It was stated that Mumford & Co., Ltd., had previously been fined £750 for recklessly making false excise tax returns, and that Henry Attwood Mumford had been fined a total of £3,000 in respect of three similar summonses.

It was alleged against Mumford & Ltd., that in three periods from July 1940, to September 30, 1941, the business done in the affected goods exceeded the quota by over £160,000. As a result of the activities of the Gamma Corporation, and of Messrs. Rety and Forter, commissions amounting to £5,183 15s. in one period and £4,266 in another was paid in respect of transactions between several other companies and Mumford & Co., Ltd., amounts being shared between the corporation and the accused persons. The whole essence of the prosecution, said the Counsel for the Crown, "is that there is no genuine quota placed at the disposal of the various people. It was already exhausted." During the subsequent hearing Richard Mumford, a pharmacist in civil life and now a pharmacist in the Navy, and his brother was secretary of the company and looked after the accounts. Rety, a founder of the Gamma Corporation, declared that he had honestly believed Mumford to have the quota which was claimed to hold. Forter, a Russian-born and an American by nationality, trusted Rety and was unaware of any illegality in certain of the transactions.

The Judge pointed out that if the company had been made earlier in the proceedings, the time occupied by the trial would have been greatly shortened.

TOPICAL REFLECTIONS

Worries

strain caused by shortage of staff in areas where National Health Insurance dispensing is done is not lessened by worries referred to in your editorial on p. 93 and in the first paragraph of the Dispensing news on p. 96. Authorities responsible for the dispatch of queries to panel chemists seem to have forgotten that the conditions of life in 1944 are not identical with those of 1844. When I became acquainted with the routine payments, the principal payments from wholesalers were received irregularly, and a few others came at half-yearly intervals. But for a long time past a customary unit in this respect has been the year. This being the case, a time-lag of three or four months in paying chemists' payments is inequitable as well as unworkable. Unhappily there is on record a history of deferred and partial settlement of N.H.I. accounts. From the volume of C. & D. for the second half of 1915 I have refreshed my memory on what was then called at the time the "emergency payment" of panel chemists' accounts for the previous year. A list of payments under the scheme in eighteen English areas is given at random shows that in ten of the areas contractors were fortunate enough to receive settlement in full: in the other eight the percentage of payment varied from 33.75 to 99, while in an area not included in the table the percentage was 100. Apparently the issuing authority had then begun to consider its ways, as at this date a local Insurance Committee had made payments for the third quarter of the current year amounting to a total of 97.5 per cent. of the accounts, never is the less." In the light of this experience, your suggestion of a prompt settlement on account of four-fifths of each chemist's monthly bill is entirely reasonable.

Worries by Formularies

Another source of trouble in panel work is mentioned in the news paragraph already mentioned. It is there stated that concern has arisen from "the simultaneous use of different chemists of formulas in the old and revised National War Formulary." In some areas this difficulty may be aggravated by the adherence of a few chemists to the National Formulary (1933). The phrase just quoted would point out that dispensers are in the hands of prescribers in this matter. There

is something to be said for a busy practitioner who takes the view that the N.W.F. of 1941 is good enough for his purpose and can serve till the end of the war, for its successor leaves something to be desired. Looking through the section "Misturæ," for instance, we find that while on the one hand solution of burnt sugar, B.P.C., is to be deleted from mixtures containing it, liquid extract of liquorice, on the other hand, is substituted for emulsion of anise and peppermint in seven mixtures. This means that several stock mixtures are deprived of their colouring but others have a similar colouring added, apart from any therapeutic difference that may result. We do not forget the postponed adoption of certain B.P. Addendum VI ointments.

Future of the Conference

The guarded statement in the annual report of the British Pharmaceutical Conference Executive (p. 85) that it "would endeavour to maintain the continuity of the meetings," does not, I trust, imply any doubt of the possibility of doing so. This annual event is of so much importance for the welfare of pharmacy that, however small the attendance may become under stress of circumstances, a meeting should be held next year in some convenient city or town, if not in London. The first annual meeting, reported in your issue of October 15, 1864, bears a family likeness to the eighty-first. Mr. Henry Deane (a descendant of whom, Mr. Harold Deane, attended the present month's meeting) presided; the vice-presidents were Dr. Edwards, Professor Redwood, Professor Bentley, and Mr. R. W. Giles; the general secretaries were Mr. Richard Reynolds and Professor Atfield. Other members taking part in the proceedings included C. Umney, F. B. Benger, B. S. Proctor, H. B. Brady, Daniel Hanbury, T. B. Groves, F. Sutton, J. C. Braithwaite, J. C. Brough, J. Abraham, and G. F. Schacht. The third day of the meeting was devoted to a discussion on accidental poisoning. The names mentioned are an indication that the foundation of the Conference had been well and truly laid in the previous year. The interest of leading pharmacists has remained a constant feature; and it would be a serious blow if there was any interruption in the activities based on the research list. War conditions have necessitated a break in the appearance of the list; details, however, are obtainable from the general secretaries.

Xrayser

TRADE NOTES

Cartons.—Alf Eva, Harper Road, Wythen-shawe, Manchester, offer plain and printed cartons in small and medium sizes.

No Civilian Supplies.—Tommy's Cooker Co. (proprietors, Robert Blackie, Ltd.) announce that no supplies of Tommy's cookers are available for civilian use at present.

Sole Distributors.—Splendor, Ltd., Nottingham and London, have been appointed sole distributors in the British Isles of Zenia antiseptic balm. The preparation is available in two sizes (1-oz. and 2-oz.).

Non-alcoholic Tonic.—Ardrich Co., Ltd., 130 Mount Street, London, W.1, are offering, through sundries' wholesalers, N.R.G. non-alcoholic tonic, which is described as pleasant-tasting, invigorating, and beneficial to health.

Medical Specialities List.—Boots Pure Drug Co., Ltd., Station Street, Nottingham, have issued a new (July 1944) price list of medical products. Copies may be obtained from the wholesale and export department of the company upon application, accompanied by a penny stamp.

Insect Powder.—Rodmill Chemical Co., Ltd., Paddington, Liverpool, 7, are the manufacturers of Tick insect powder, which is described as easy to use and of pleasant odour. The preparation contains 40 per cent. sodium fluoride, and one application is usually sufficient. It is issued in drums 5 in. in length and 3 in. in diameter.

Holiday Closing.—Bayer Products, Ltd., Africa House, Kingsway, London, W.C.2, will be closed from Friday evening, August 4, until Tuesday morning, August 8. Urgent requirements during this period can be obtained from John Bell & Croyden, 50 Wigmore Street, London, W.1, or R. Woolby Brooke, 38 Gloucester Road, S.W.7.

Sound Film Showings.—Kolynos (Sales), Ltd., 12 Chenies Street, London, W.C.1, announce that a film, "Food for Thought," advertising their speciality Bisodol, is being shown at over 600 Gaumont-British and Odeon cinemas throughout Great Britain during the period January–October. Complete details are given on another page.

Cosmetic Novelty.—Standard Distributing Agencies, Vernon Walk, Tadworth, Surrey, have introduced Selecta liquid make-up dye, enabling a high-grade product to be made within a few minutes. One lb. of the

dye is sufficient for 32 gall. make-up, and the product is available in two shades, rachel and natural. Other Selecta specialties are mentioned on another page.

Business Changes

RONA LABORATORIES have removed 159 Finchley Road, London, N.W.3.

ST. DALMAS (IRELAND), LTD., have opened a branch at 1 and 2 George's Quay, Cork, Eire.

B. A. SMITH & Co., LTD., have acquired new premises at 4 Eastgate, Banstead, Surrey. Telephone: Burgh Heath 961.

JOHN PRENTICE (LONDON), LTD., have removed their Newcastle premises to 8 Fenkle Street, Newcastle-on-Tyne, 1. Telephone: Newcastle 24119.

APPLICATIONS FOR BUSINESS LICENCES. The following applications have been made for licences under the Retail Business Order: Mrs. Margaret Forbes, to acquire business in toilet goods carried on at 450 Dundas Street, Glasgow; Jean Rogers, to acquire a business in toilet goods, etc., carried on at J. W. Kellett at 802 London Road, Glasgow; Elto Chemists' Products, Ltd., to commence business as retailers of surgical instruments and appliances at 81–83 Oxford Street, Glasgow.

Proprietary Articles Trade Association

Additions to Protected List.—*Henry C. Minnie Ltd.*, Make-up liquid (theatrical), 18s. doz., tax 18s. doz., inclusive retail price 3s. 6d. powder (theatrical), 13s. 6d. doz., tax 13s. 6d. doz., i.r.p. 2s. 7½d.; mascara, 13s. 6d. doz., tax 13s. 6d. doz., i.r.p. 2s. 7½d.; removing cream, 4-oz. jar, 18s. doz., tax 18s. doz., i.r.p. 3s. 6d. 8-oz. jar, 30s. doz., tax 30s. doz., i.r.p. 6s. Subject to usual quantity terms.

Alterations.—*Vinolia Co., Ltd.* (Agents: *D. & W. Gibbs, Ltd.*) Vinolia baby soap, 59s. 6d. gross, tax 1s. 7½d. doz., i.r.p. 8d.

C. & D. QUIZ NO. 33

1. Who discovered carbon disulphide?
2. What is *limonade purgative*?
3. What is *lactucarium*?
4. What is *diatomite*?
5. What is *laevo*-methylaminoethanol catechol?
6. What is *tuba root*?
7. Who was the Society's first professor of chemistry?
8. What is *massicot*?
9. Where and by whom was titanium first discovered?
10. What is *butter of tin*?

(Answers on p. 128)

PERSONALITIES

RD LUKE (chairman of Bovril, Ltd.)
 been elected a joint honorary secretary
 the Association of British Chambers of
 merce.

. ARCH. WILSON, M.P.S., gave a
 time address to the Hove Rotary
 recently, on the work of the phar-
 mast.

. EDWARD W. TWISS, M.P.S., contri-
 a letter to the "Manchester Guard-
 on July 11, by way of reply to an
 ss by Professor Cohen at Liverpool
 also p. 106), in which he pointed out
 the best proprietary medicines safe-
 to the public would be to confine the
 of all medicines for human use to
 ed chemists.

. J. S. WALMSLEY, secretary of the
 ietary Association of Great Britain,
 uted a letter to the "Manchester
 dian" of July 19, in which he pointed
 at the Pharmacy and Medicines Act,
 —in the promotion of which his
 iation had actively participated—had
 ved many objections formerly held
 st the manufacture and sale of
 ietary medicines.

. H. P. ELLIOTT, this year's chairman
 Le Slough and Maidenhead Branch of
 the National Phar-
 maceutical Union,
 is a native of Brix-
 ham, South Devon.
 He served his app-
 renticeship with
 Holman, Ham &
 Co., Ltd., Exeter,
 and after two years'
 service in the war
 of 1914-18, he
 trained at Univer-
 sity College, Exe-
 ter, and qualified
 in 1920. After

experience in London, he acquired
 century-old business of J. Jinks, Iron
 ce, and opened his present business at
 ove Parade, Slough, in 1928. In 1926
 alified in optics.

. J. M. WILLIAMSON, M.P.S., con-
 ed an article to the July issue of the
 s Independent" (the organ of the
 sh National Party) on "National
 h Services: Lessons from Panel
 iences." He urged extension of the
 service instead of a full State medical
 ce; higher remuneration for chemists;

and an allowance for cost per head of
 medical services in Scotland comparable
 with the figure for England and Wales.

MR. T. B. CHADWICK, this year's chairman
 of the Junior Branch, Manchester Pharma-
 ceutical Associa-
 tion, is forty-four
 years of age. He
 commenced his
 apprenticeship in
 pharmacy in 1914,
 but volunteered
 for service with
 the Royal Naval
 Air Service (later
 incorporated into
 the Royal Air
 Force) during the
 war of 1914-18.
 From this he was
 invalidated out on



pension, and dur-
 ing his period of convalescence attended a
 full-time course of instruction at the Man-
 chester School of Commerce. Upon securing
 a position as dispenser at Mallinsons, Ltd.,
 Withington, Manchester, he commenced a
 part-time course at the Manchester School
 of Pharmacy, Oxford Road, later entering
 upon a full-time course at the University
 of Manchester. He passed the Chemist
 and Druggist Qualifying examination in
 1923, and later gained the fellowship
 of the British Optical Association. Subse-
 quently he joined Taylors Drug Co., Ltd., as
 a retail manager in the Yorkshire territory
 before becoming Northern representative of
 THE CHEMIST AND DRUGGIST in June 1936.
 Mr. Chadwick has been a strong supporter
 of local association work since his early days
 in pharmacy, and has served on various
 executives, including that of the Salford
 Pharmaceutical Committee, upon which he
 succeeded the late Mr. Simmons as secre-
 tary. He is *ex-officio* secretary of the Salford
 district pharmaceutical war committee,
 and held office as vice-chairman of the
 Junior Branch of the Association before
 acceding to the chairmanship this year. He
 was a member of the Manchester Masonic
 Association up to the time of its disband-
 ment owing to the present hostilities, and
 has also been keenly interested in the Home
 Guard from its commencement, having
 risen by successive stages from private to
 captain and second-in-command of a com-
 pany. Mr. Chadwick is leaving Manchester
 and the C. & D. to take up an appoint-
 ment at Southend-on-Sea.



COMPANY NEWS

OBREY, LTD. (P.C.).—Capital £1,500. Dealers in essences, lotions, soaps, perfumes, etc. Douglas D. Mathiesen and Frank E. Hargreaves, directors. R.O.: 103 Cannon Street, London, E.C.4.

ATLAS DISTRIBUTION SERVICE, LTD. (P.C.).—Capital £1,000. Agents for and dealers in chemicals, fertilisers, soap, cleaners, etc. Folke R. C. Persson, 5 Crescent Road, Birkdale, Lancs, director.

G. VAN ABBOTT & SONS, LTD. (P.C.).—Capital £100. Manufacturers of and dealers in foods for diabetics, chemists, druggists, etc. Hubert Etherington and George J. L. Leidig, directors. R.O.: 24 Basinghall Street, London, E.C.2.

DEXTER PAINTS, LTD. (P.C.).—Capital £10,000. Objects: Manufacturers of and dealers in paints, varnishes, enamels, etc. Cornelius, James C. and Harry C. Eatough, directors. R.O.: 18 and 20 Sandygate, Burnley, Lancs.

MUNRO VITAREX, LTD. (P.C.).—Capital £1,000. Manufacturers of and dealers in chemicals, drugs, toilet requisites, etc. Arnold H. and Mrs. F. G. Munro, directors. R.O.: 6 St. Faith's Road, West Dulwich, London, S.E.21.

SURGICAL & MEDICAL GLASS-BLOWING Co., LTD. (P.C.).—Capital £1,000. To acquire the Surgical & Medical Glass-Blowing Co. Edward Williams, Frank L. R. Davis and Christina A. Williams, directors. R.O.: 1 Brockhurst Parade, Stanmore, Middlesex.

VINCENT SHAW, LTD. (P.C.).—Capital £2,500. To acquire the business of a retail chemist carried on by Florence Shaw at 112 and 146 Wandsworth Bridge Road, London, S.W.6. Mrs. Florence Shaw, Elsie Rayner and Frank Volster, directors. R.O.: Woodfield, Queens Road, Edgerton, Huddersfield.

DELETED FROM REGISTER.—"The London Gazette," June 30, notifies that Morley's Pharmacies, Ltd., Leigh-on-Sea, has been struck off the Register of Companies.

VOLUNTARY WINDING-UP.—At a general meeting of P. B. Phillips (Chemists), Ltd., London, W.C.1, it was resolved that the company should be voluntarily wound up; Mr. Bernard Hennell, F.C.A., Moorfields Chambers, E.C.2, was appointed liquidator.

TRADE MARKS

- (From "The Trade Marks Journal," July 1928.)
- "FERTASIL"; for fertilisers (1). Elc Chemical Co., Ltd., 171-73 Neate St. London, S.E.5. 628,407.
- "SODEXANT"; for preparations (not in cides, etc.) for use in agriculture, etc. Sir Thomas and Arthur Wardle, Macclesfield Works, Leek, Staffs. 628,408.
- "YANTAR"; for perfumes, rouge, toilet preparations for the hair, etc. (3). By V Laboratories, Ltd., 12 Diana Place, E. Road, London, N.W.1. 628,371.
- "HAPPY THOUGHTS"; for perfumes, 1 toilet preparations for the hair, bath etc. (3). By E. V. Abraham, 84-86 Froham Road, Scunthorpe, Lincs. 628,671.
- "ORZOLENE"; for infants' and invalids' for sale in N. Ireland (5). Orzone (Ire) 1938, Ltd., North Street Parade, Belfast, B428,773 (Associated).
- "ENZA"; for medicinal preparations for administration (5). By Wendell Nich Park Pharmacy, Treycynon, Aber 626,831.
- "LATHAN"; for antiseptic preparations By P.A.C. Photographic Accessories & micals, Ltd., 15 College Road, Ep Surrey. B627,760.
- "SANISEPT"; for disinfectants (5). By Gilchrist, Endon House, Seaborn F Bare, Morecambe, Lancs. 628,018.
- "EPHOFEM"; and "CALSTOTONE"; for pharmaceutical preparations and substances By Southon Laboratories, Ltd., 88 U Richmond Road, London, S.W.15. 628,661.
- "OESBRON"; for pharmaceutical preparat and substances (5). By Brook, Parker & Ltd., Ashfield, Horton Road, Bradl Yorks. 629,025.
- "ULTRAPLAST"; for surgical adhesive dress (5). The Southern Manufacturing Co., 1187 St. Vincent Street, Glasgow, 629,097.
- "SONNY-BOY"; for razors and safety ra blades (8). By M. Radnan, Ltd., 14 W Grove, Manchester, 4. 628,261.
- "UNITAS"; for photographic apparatus, u sils for use in chemistry, thermomet etc. (9). By The Scottish Co-opera Wholesale Society, Ltd., 95 Morrison Str Glasgow, C.5. 623,836 (Associated).
- "RELASMON"; for gutta-percha, india-rub etc. (17). By Monahan Asbestos Co., L 11 York Street, Liverpool, 1. 625,059.
- "IMPERVEX B.S.B."; for goods manufactu from india-rubber and gutta-percha (By Impervia, Ltd., 3 Grosvenor Garde London, S.W.1. By 628,019 (Associated).
- "ALFRED DUNHILL"; for combs, spon brushes, etc. (21). By A. Dunhill, Ltd., Duke Street, St. James's, London, S.W 628,025 (Associated).
- "SCINTILLAC"; for hairbands and hair n (26). Hale Progressive Industries, Li Deansgate Lane, Timberley, Chesh 625,316.

BIRTHS

IG.—At an Edinburgh nursing home, July 18, Agnes N. Greig, M.P.S., the daughter of Stewart H. Greig, 126 Saughtonhall Edinburgh, of a daughter.

LEY.—At Inveresk House, Edinburgh, on July 16, the wife of William M.P.S., of a daughter.

MARRIAGES

OWELL—KERR.—At Cleland Church, Cleland, on July 13, Andrew Caldwell, 4 Fraser Street, Cleland, to Wilma (Ina) Patterson Kerr, Cleland.

ON—GOURLEY.—At Carnmoney, co. Antrim, parish church, on July 18, Robert M.P.S., to Dixon, M.P.S.N.I., Oakvale House, 100a Road, Glengormley, Belfast, to Mr. G. P. Gourley, Carnmoney. Mr. G. P. M.P.S.N.I., was best man.

DEATHS

HAM.—At Monkton Wyld, Weybridge, Surrey, on July 14, Mr. Henry Barham, druggists' sundriesman.

HUNE.—On July 7, Miss Christine Bethune, M.P.S., 3 Queen's Gate, Kensington, eldest daughter of Mr. W. J. Bethune, M.P.S. Miss Bethune qualified in 1914.

RSOR.—On June 29, Mr. William John (a director of Bonsor (Chemists), 1 St. Stephen's Road, Leicester, aged fifty-two. For over fifty years Mr. Risor was a representative of John Risor (Leicester), Ltd.

ERON.—On June 28, Mr. Lauchlan Eron, Ph.C., Ness House, Sutton Park, Seaford, Sussex, aged seventy-two. Mr. Cameron gained both the Minor and Major qualifications in 1892.

VZER.—At his residence, 12 Harberton Road, Balmoral, Belfast, on July 13, Mr. R. J. Cowser, M.C., father of Mr. H. H. Cowser, Ph.C., Ormeau Road, Belfast.

LIN.—On July 16, Miss Mary Margaret Giblin, M.P.S., 23 Hayburn Crescent, Glasgow, Miss Giblin qualified in 1922.

FFITH.—In June, as the result of an inquest, Mr. Wilfred Hamilton, M.P.S., London.

IES.—On June 20, Mr. John Ellis, M.P.S., Sheffield House, Waterhouse, Penygroes, Carnarvonshire, aged fifty-nine.

McLAREN.—On July 10, Mr. Duncan Walker McLaren, M.P.S., 23 Glendevon Place, Edinburgh, aged forty-two.

MILESTONE.—On July 12, Mr. Robert Milestone, M.P.S., 57 Fitzroy Drive, Oakwood, Leeds, 8. Mr. Milestone qualified in 1900.

MORGAN.—Recently, Mr. Eric Elsdyle Morgan, Elsdyle, Theobald Street, Boreham Wood, Herts, managing director of the General Surgical Co., Ltd., aged fifty.

PRANCE.—Recently, Mr. George John Prance, M.P.S., 7 Victoria Road, Neath, Glamorganshire.

SIMPSON.—On July 12, Mr. Bertram Simpson, M.P.S., 7a Brandon Road, Binley, Coventry. Mr. Simpson qualified in 1896.

WOODLAND.—At Westmount, Montreal, Canada, on June 11, Mr. Walter Bayly Woodland, Controller of Chemicals, Department of Munitions and Supplies of the Canadian Government. Mr. Woodland qualified as a chemist and druggist in 1896 and emigrated to Canada in 1915, as representative of Houghtons, Ltd.; later he became Montreal manager of the American Druggists' Syndicate.

INQUESTS

Phenobarbitone Overdose.—A verdict that death was due to taking an overdose of phenobarbitone tablets was returned at an inquest at Lurgan on William Higgins, Lurgan, recently.

Lysol Poisoning.—A verdict that she died from lysol poisoning, self-administered while of unsound mind, was returned by the coroner at an inquest on Mrs. G. L. Tomlin, at Feltham, Middlesex, recently.

Feeding Bottle in Pram.—At an Ellesmere Port inquest recently on a two-months' old child, the risk of allowing babies to feed themselves from bottles while lying in their prams was pointed out by the coroner, who returned a verdict of death from misadventure. The mother said she placed a feeding bottle by the child, and propped it up with a shawl, to take the weight.

COMING EVENTS

Sunday, July 30

MANCHESTER PHARMACEUTICAL ASSOCIATION.
Ramble to Lymm and Arley Meres. Meet outside Altrincham station, 10 a.m.

GELATIN CONVICTION QUASHED

THE Appeal Court recently allowed the appeal of Ross (Gelatin), Ltd., Bramley, Leeds, against a fine of £10, with £125 5s. costs (*C. & D.*, March 18, p. 302), on a charge, of giving a false warranty with a consignment of powdered gelatin. The conviction was quashed. The matter arose from proceedings against Mr. S. R. P. Fisher, M.P.S., Orchard Street, Preston, relating to a sale of gelatin to the prejudice of the purchaser. Mr. Fisher relied upon a warranty given to him by Mr. James Rafferty, the supplier, and the case against him was dismissed. Mr. Rafferty took steps to have his own supplier brought before the court, and other intermediaries became involved, the appellant company being the ultimate suppliers. The court of summary jurisdiction, which imposed the fine, made the following pronouncement:—

The magistrates are satisfied that a false warranty was given by Messrs. Ross (Gelatin), Ltd., that the sample analysed . . . had its origin in a consignment sent by the company to Stancourt, Sons & Muir, Ltd., about December 1942, and which was eventually passed through other suppliers to James Rafferty. The Justices are not satisfied that at that time (December 1942) Messrs. Ross did take sufficient precautions to ensure that the warranty they gave was accurate. We are satisfied that the other defendants exercised due diligence.

No Previous Standard

It was against this decision that the company appealed. In announcing their decision the Appeal Judges pointed out that there was no statutory standard of composition or quality in relation to the presence of lead in food. The proportion found by Professor Roberts was 22 parts per million. It was common ground that gelatin containing such an amount could not correctly be described as edible gelatin. Another part of the same sample was analysed by Mr. Thomas Tickle, Ph.C., and found to contain not more than 11 parts per million. One of the points made on behalf of the appellant company was that the sample containing 22 parts per million might have become accidentally the subject of some local contamination. When brought into the shop from the warehouse the gelatin from a sack was emptied into a barrel which had contained dried milk not long before, although Mr. Fisher had, he believed, satisfactorily cleaned it out. From the barrel the gelatin was periodically put into a 7-lb. tin which had contained wrapped sweets.

Appeal Judges' Maximum

On the evidence the Appeal Judges not think they would be justified in fixing a standard below 10 parts per million as the highest permissible lead limit. They had to ask themselves whether it had been proved that any contravention was due to any act of default of the appellant company, and decided they could not reasonably exclude the possibility of an accidental addition of lead in one way or another in the chemist's shop; this had the ultimate effect of raising from something under 10 parts per million the lead content of the sample subsequently examined by Professor Roberts. Upon that assumption of a relevant act of default on the part of the company had been proved. It was that the question of accidental introduction of a further lead content seemed to involve a rather high degree of coincidence, they had to deal with the evidence before them. The subsequent analysis of gelatin from the appellant company still in Mr. Fisher's warehouse yielded only four parts per million and no sulphur dioxide, and in view that this sample happened not to be representative would also involve a high degree of coincidence. There was no angle from which to approach the case. Had the appellants proved that they had no reason to believe that the statements of descriptions contained in the warranty were accurate? Upon the Appeal Judges' estimate of the evidence they had done nothing, in any case, turned on the words of the warranty actually given. Costs of the appeal were allowed, but each party was required to pay its own costs in the lower court.

Elephant and Chickens.—"Lord Trent, head of Boots the Chemists, has been explaining to me how it was that his firm decided not to eliminate all competitors," Lord Trent told the House of Lords that it had wanted to during the last twenty years, his firm could probably have put other chemists out of business. He told me that to do anything that would close down the private chemist would not only be against the public interest, but it would also be bad business. In my opinion the only way by which a large firm can remain efficient is by having healthy and free competition. I find it an interesting idea that an elephant can keep fighting fit by permitting the chickens to survive." *"Evening Standard,"* London, July 7.

SCIENCE PAPERS AT THE CONFERENCE

aries of the science papers submitted at the annual meeting of the British Pharmaceutical Conference on July 11

(Concluded from C. & D., July 22, p. 91)

The Analysis of the Pastilles of the British Pharmaceutical Codex

By NORMAN EVERS and WILFRED SMITH

samples of pastilles consist of a of individual units varying in weight content of medicament, any stand- iche may be fixed must be based on a ration of the amount of variation o occur from pastille to pastille or mple to sample. Results of weighing er of pastilles of different kinds are ilar to those occurring in tablets iven by tablets it will be seen that ations are rather larger than would ected in tablets of the same weight, g about two grains or less. Statis- amination shows that for pastilles g 25 to 30 gr. the majority of pas-

tilles will lie within ± 6 per cent. of the mean weight and an occasional pastille may vary from it by as much as 10 per cent.

Experiments have been undertaken with the object of determining the causes of variation, and the results are given in tabular form. The second part of the paper deals with methods of analysis of various pastilles. In carrying out the methods of analysis, it was assumed that the weight of ten pastilles was 17 gm. Therefore the correct weight of each medicament required for ten pastilles was added to 17 gm. of glycogelatin and the analysis carried out. The results obtained are shown in the following table:—

ANALYSES OF PASTILLES

Pastille	Ingredient	Amount	
		added gm.	found gm.
Ammonium bromide	Ammonium bromide	0.06	0.06 0.058
Ammonium chloride	Ammonium chloride	0.13	0.128 0.129
Ammonium chloride	Ammonium chloride	0.13	0.127 0.128
Benzamine hydrochloride	Benzamine hydrochloride	0.03	0.028 0.026
Cocaine hydrochloride	Cocaine hydrochloride	0.0016	0.00145 0.0014
Cocaine and cocaine	Cocaine hydrochloride	0.0016	0.0013
Codeine	Codeine	0.008	0.008 0.006
Diamorphine hydrochloride	Diamorphine hydrochloride	0.0016	0.0017 0.0018
Diamorphine hydrochloride	Diamorphine hydrochloride	0.0013	0.0015 0.0014

(From the laboratories of Allen & Hanburys, Ltd.)

The Determination of Hyoscine, Hyoscyamine and Atropine

By JACK MARRIS ROWSON

alkaloids hyoscyamine, atropine and scopolamine, present in a number of the Solanaceae, are usually estimated together as tropane alkaloid and the results expressed in terms of hyoscyamine. The object of the present work was to discover a method of determining quantitatively each of these alkaloids in order to carry out breed-

ing experiments upon the plants in which they occur, with a view to correlating their presence with the genetical and cytological constitution of these plants. The author confirms that under the usual conditions of extraction *l*-hyoscyamine is not racemised and that this alkaloid may be determined in the presence of atropine by polarimetric

measurements. The determination of hyoscyne by the process of Kuhn and Schäfer has been found to be unsatisfactory and the possibility of a quantitative separation of hyoscyne from atropine by the fractional solution of one component in a solvent has been investigated fully with negative results. Two processes for the determination of hyoscyne have been described: the process involving liberation of hyoscyne at pH 8.5 by the equivalent of sodium bicarbonate gave accurate determinations of hyoscyne, *l*-hyoscyamine and atropine when mixed in widely varied proportions. It has been

shown that solution of bismuth potassium iodide is more sensitive in the detection of hyoscyne or atropine than solution of potassium dichromate. It has also been found that when a hot solution of atropine in petroleum ether was allowed to stand in the presence of excess atropine at the apparent solubility decreased considerably over a period of ten hours. A suitable assay process for the estimation of the individual components in a mixture of scopolamine, atropine and hyoscyne has been described. (From the Department of Pharmacy, University of Manchester)

Rose-hip Tablets

By FRANK WOKES, E. H. JOHNSON and F. C. JACOBY

THE authors' previous communications have provided evidence of the instability of vitamin C in rose-hip syrup, blackcurrant syrup and other fruit products, and have described the preparation of concentrated dried rose-hip extracts. The present communication summarises results obtained during the past two years with rose-hip tablets manufactured from the concentrated extracts. Dried rose-hip extracts have been made into tablets which chemical, biological and clinical tests have shown to possess high vitamin C and vitamin P contents. It is suggested that a satisfactory rose-hip tablet should, even after prolonged storage, contain at least 7 mgm. of vitamin C, so that a daily dosage of six tablets should provide most, if not the whole, of the adult daily requirement of this vitamin. Such a dosage should provide more than the daily requirement of vitamin P. The provitamin A content

of rose-hip tablets will vary more according to raw material used and manufacturing and storage conditions. The provitamin A content of fresh rose-hips varies widely from one species to another (e.g., 41 to 671 μ gm./gm. of flesh). The species mainly used in the manufacture of the tablets contained 100 to 150 μ gm. of flesh. Dried extracts made from these species contained 45 to 50 μ gm. of provitamin A per gm., and after nine months' storage in air at room temperature possessed vitamin A activity equivalent to 45 I.U./gm. These extracts stored under such conditions suffered a loss of 40 per cent. of the provitamin A occurred in nine months and 66 per cent. in fourteen months. In tablets the loss would be lower. Experiments are in progress to obtain tablets with a high provitamin A content which will be maintained during storage. (From the Ovaltine Research Laboratories.)

The Palisade Ratio Values of *Atropa Belladonna* and *Atropa Acuminata*

By E. GEORGE

Atropa Belladonna

ALL the samples of *A. belladonna* examined were in the form of whole leaves. Portions about $1\frac{1}{2}$ cm. by $\frac{1}{2}$ cm. were cut from each leaf, cleared by boiling in chloral hydrate (50 gm. with 30 mls of water) and mounted in a solution of chloral hydrate 50 gm., glycerin 20 mls, and water 10 mls. As each specimen was being mounted it was cut across and one half turned over, thus ensuring that the upper epidermis could be seen on every slide examined. In all the determinations made, care was taken to obtain the readings impartially from both large and small epidermal cells, and from groups close to, as well as away from, the smaller veins.

The results should therefore be representative of the whole leaf surface, and conclusions applicable to determinations made on powdered leaves. All readings were taken from camera lucida drawings of groups of four epidermal cells. The same method was employed and the number of readings obtained from each are shown in a table. As the samples cover five seasons of growth and five localities, they may be considered representative of any genuine sample. The palisade ratio values, and the frequency with which each was found, are given in the following table.

Atropa Acuminata

The determination of the palisade ratio of *Atropa acuminata* (*A. slutescens*)

enced by examining in detail two the origins of which were known certainty. The distribution of the ratio values was then obtained by examination of a sample from a ship-commercial Indian belladonna leaf. Distribution of the readings obtained given in a table. The author summarises findings as follows: The palisade frequency of *Atropa belladonna* has been shown to be in accordance with a distribution with a mean of 6 and standard deviation of 1.47. The limiting values of such a distribution (3σ values) are 1.5 to 10.4. The mean value of twenty readings from a powder derived from many leaves may be expected to fall within the

range 5 to 7. The palisade ratio frequency of *Atropa acuminata* has been shown to be in accordance with a normal distribution with a mean of 3.5 and a standard deviation of 0.66. The limiting values of such a distribution (3σ values) are 1.5 and 5.5. The mean value of twenty readings from a powder derived from many leaves may be expected to fall within the range 4 to 5. The sample of commercial Indian belladonna leaf examined has been shown to contain an appreciable proportion of leaf exhibiting a palisade ratio significantly higher.

Atropa belladonna palisade ratio range 1.6 to 6.0 to 10.4; *Atropa acuminata* palisade ratio range 1.5 to 3.5 to 5.5.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

Monthly meeting of the Council of the Pharmaceutical Society of Northern Ireland held in Belfast on July 21, the president Mr. T. Nicholl in the chair. Others present were Messrs. Charles Abernethy (president), James McDowell (treasurer), E. Connor, J.P., H. H. Cowzer, J.P., J. McGregor, W. C. Tate, Professor E. B. C. Mayrs, M.D. Mr. Kirkpatrick (secretary) was in attendance. THE PRESIDENT expressed the sympathy of the Council with Mr. H. H. Cowzer on the death of his father, Mr. Cowzer replying.

Business of Council Members

W. C. TATE raised a question about the election of candidates at the annual meeting of the Society in October, and suggested that members standing for re-election should make their intentions known beforehand. Mr. McDowell suggested that a notice concerning re-election should be inserted in the papers, thus reminding retiring members of their duty to let the Council know their intention to seek re-election. THE PRESIDENT intimated that the four retiring members of Council had expressed their intention of seeking re-election.

Organic Mercury Compounds

THE SECRETARY read the following letter from the Ministry of Home Affairs:—

I am directed by the Minister of Home Affairs to refer to your letter of March 6, enclosing a list of persons who have been granted licences by local authorities for the use of agricultural and horticultural preparations containing poisons, and appealing for the issue of these licences. I am to

point out that these new licences are due to the scheduling of organic compounds of mercury as a poison and to the provision made for persons licensed by local authorities to sell these substances. The Ministry has given very full and careful consideration to the appeal put forward by the Pharmaceutical Society, but is not prepared to make an Order under Section 2 of the Poisons and Pharmacy Act, 1908, as amended by Section 24 (6) (b) of the Pharmacy and Poisons Act (Northern Ireland), 1925, which would result in the withdrawal of the licences granted to the persons named in the list which accompanied your letter.

On the motion of MR. CHARLES ABERNETHY, seconded by MR. J. MCGREGOR, Messrs. C. D. Hughes, 8 Wellington Park, Belfast, and W. T. Pyper, 33 Princetown Road, Bangor, co. Down, were elected members of the Society.

Examination Results

The following candidates were successful in the examinations held in June. *Part I*, Margaret Brannigan; Maureen Byrne; Ian Grant Cameron; Mary Donoghue; Robert Fowles; John Clarke Gordon; Victor Henning; Oliver Keenan; Joseph Lavery; John Maconaghie; Gerard Monaghan; Robert Murtagh; Francis McAtee; Patrick McQuillan; Robert Patterson; Samuel Ruben; and P. J. Shields. *Part II*, Margaret Heney; Patrick Hudson; Sarah Irwin; Margaret Jones; John Judge; Francis Kerrin; Samuel Moore; John Mullin; John McBride; Robert McCotter; John McCusker; Joseph McIntyre; Bridget O'Doherty; Joseph O'Hanlon; Eda Patterson; Margaret Reynolds; Andrew Robinson; and James Wilson.

The headquarters of the Society will be closed during August.



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B.P. 2nd. Addendum

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II JULY 29, 1944 NO. 3364

that goods made of raw materials supply owing to war conditions are not described in this paper or described in its columns should not be taken as an indication that they are necessarily available.

Scientific and Industrial Research—I

The significance of the relations between science and industrial research has renewed prominence by the issue of the Nuffield College, Oxford, of a "Statement of Problems of Scientific and Industrial Research" (Oxford University Press, 2s.). A year ago (*C. & D.*, 1943. II. 93) we noted on "Employment Policy and Organisation of Industry after the War," a pamphlet from the same source: the "statement" is in a measure a continuation of the study then published, and makes more than one reference to it. The outcome of two conferences held this year the report has been issued with the aid of ninety-two people; they include (textually) W. H. Beveridge, J. H. Burn, Francis H. Carr, J. Cole, H. H. Dale, R. C. K. Ensor, J. Gaddum, R. A. Gregory, A. V. Hill, J. Lindsay, Cyril Norwood, John A. T. Tizard, and last, but not least, J. Gowan and Lord Melchett. Though the laboratories do not regard themselves as limited to every particular," this is the outcome of the academic and the industrial

is a guarantee of thorough exploration of the problems selected. We begin our account of this noteworthy pronouncement by citing its exclusions. It does not trench, unless by implication, on scientific education as a whole; this having been covered in the Nuffield College pamphlet "The Industry and Education." Again, the problems of agricultural, medical, social and economic research are outside its range, as also are "the human problems of industry, such as industrial psychology and research into the questions of management."

Research and the Economic System

We shall perhaps best give a general idea of the contents of the report by quoting from some paragraphs near the end of it. It is there pointed out that "the organisation of scientific and industrial research in its applied aspects is bound to be affected by the general character of the economic system of which it forms a part." Applying this principle to present circumstances, the report continues: "In war, science gets its way to a tremendous extent, and obstacles . . . vanish in face of the imperative need for victory. In peace, on the other hand, scientific opportunity is limited by the prospects of the market, and, where market conditions are adverse, a mood of frustration is readily engendered . . ." How, then, are the benefits of scientific progress to be obtained without irritating setbacks?

"The scientists begin to claim, first, that science shall be accorded a high status and an influential voice in the framing of policy; secondly, that something must be done to remove the shackles from production and distribution and to reorganise the economic system so as to ensure a steadily expanding volume of employment in the production of useful things; and thirdly, that steps should be taken to deal effectively with the sheer ignorance which has prevented a rapid diffusion of the results of scientific advance throughout industry and an instructed appreciation of scientific possibilities on the part of the general public."

Science in Industry

This rapid glance at the report may appropriately end with an amplification of

the ideas set forth in the preceding paragraph. The demand for a high status for the scientist in industry is not "simply a demand for more and better-paid scientists on the staffs of industrial firms, or for more scientific men on boards of directors"; it is not "claimed that a man, merely because he is a highly qualified scientist or a first-class research worker, is therefore good at managing a business." What is claimed is that the scientist "ought not to be made to feel, as he still sometimes is, that his status as a scientist is regarded as a bar to his being brought right into the inner councils of the industry he serves." The need for "senior men with high qualities of leadership and a keen capacity for original thought" is stressed. In a subsequent passage a similar idea is urged: "... the lag between a new discovery and its adoption is due in part to the innate conservatism of the human race. To start any really new enterprise an individual must use all his energy and risk his reputation . . . It is always a question of personal drive—organisation alone will not suffice." We hope to examine this "statement" in detail in subsequent issues.

Labelling Pre-packed Foods

THE Labelling of Food Order, 1944 (*C. & D.*, July 22, p. 80), which has been made by the Minister of Food under Regulation 2 of the Defence (Sale of Food) Regulations, 1943, implements the policy set out in the White Paper on the "Labelling and Advertising of Foods" (*C. & D.*, November 13, 1943, p. 480). Its principal requirement is that the labels of pre-packed foods sold by retail shall show:—

1. The name and address in the United Kingdom of the packer or labeller, or of the person on whose behalf the food is packed or labelled. (Alternatively, the label may bear a registered trade mark, while labels of imported pre-packed foods may specify instead the name and address of the importer.)

2. The common or usual name (if any) of the food.

3. In the case of foods containing more than one ingredient, the common or usual names of the ingredients of the food in the

order of the proportions in which they used.

4. The minimum quantity of food package.

A number of foods, however, are excepted from the requirements. In particular foods whose composition complies with requirement of Orders made by the Minister of Food prescribing standards made by Regulation 2 of the Defence (Sale of Food) Regulations, 1943 (e.g. mustard, raising flour, shredded suet, baking powder and golden raising powder), need not have the formula disclosed. The manufacturer or the packer will normally be the person to label the food with the necessary information, but provision is made to allow the dealer dealing in food otherwise than by retail to sell the food unlabelled. For this purpose they must furnish the purchaser with a statement enabling him to label the food in accordance with the Order. Under this provision, the application of a code to a container does not constitute labelling.

Vitamins and Minerals

Special requirements, in addition to those mentioned above, apply to the labelling of and advertisements of pre-packed foods when claims are made of the presence of vitamins or minerals. General claims are only permitted when specified vitamins or minerals are present, and the proportion has to be stated in the manner prescribed. Claims relating to the presence of a particular vitamin or mineral specified must also be supported by a quantitative analysis. Provision is made that a prosecution for weights and measures offences cannot be based on the contents of a sample, while *bona-fide* mistakes, accidents and loss due to evaporation are defence to such actions. It is a defence in proceedings under the Order to show that the food was sold bearing the same label as received by the seller, or alternatively that it was labelled in accordance with a statement supplied to the seller when purchased it. As with the Defence (Sale of Food) Regulations, 1943, proceedings for food and drugs authorities under the Order otherwise than in respect of weights and measures offences, may be instituted only with the Minister's prior consent (C

nce should be addressed to the
y of Food, Mussoorie, Kenelm
Colwyn Bay). The Ministry is
ed to advise traders on matters
y to their labels, specimens of
should be submitted in duplicate.
nquiries are only dealt with if
lete quantitative statement (treated
fidential) of the composition of
od is also submitted. Advice is
ven by the Ministry on the subject
rtisements.

More or Less Ignorant"

angers and potential dangers of self-
ing and proprietary medicines have
d many social reformers at various
and a number of valuable safeguards
been introduced or suggested to
the unbridled distribution of this
remedy. In speaking upon this
at Liverpool recently, however,
or Henry Cohen (Professor of Medi-
Liverpool University) was, in our
, giving proof that the "more
ignorance" of the public in the sphere
ical knowledge extended to his
preciation of the situation as it
today. Apparently Professor Cohen
ware of the provisions of the Phar-
and Medicines Act, 1941, and
y took no cognisance in his address
e of the important changes which it
t about. Patent medicines, he is
d as saying, were "secret" remedies
uld not be patented. A few years
s not very original statement would
een accurate, but it was rendered
e by the necessity, under the Act
d to, to disclose the formula of
tary medicines upon the label.
Professor went on: "Anyone could
em on payment of stamp duty, even
had no curative properties whatever,
e duty could be avoided by issuing
giving, or purporting to give, the
sition of the preparations." The fact
e showed himself unaware that the
as been abolished heavily discounts
hority of the speaker to put forward
ions for controlling undesirable
s of the trade, however carefully
might have been examined in other

circumstances. As a professor of medicine,
he was in a position to acquire more than
a lay knowledge of the legislation, and he
should either keep himself abreast of current
affairs or refrain from emerging from
academic seclusion into public affairs.

Testing Gelatin

A NEW edition of British Standard Specifi-
cation 757—"Methods for Sampling and
Testing Gelatins"—has been published. It
runs to thirty-five pages, and gives detailed
instructions in all the relevant matters
which are likely to come before the public
analyst or the works chemist concerned
with gelatin. The first edition was issued
in 1937. It was the first time in this or any
other country that full, agreed methods
had been worked out. Since that time the
methods have been kept in continuous
review by the committee concerned, and
the new edition shows some useful improve-
ments. Instructions for bulk sampling have
been incorporated, whereas before they
were published separately. In describing
the sulphur dioxide and arsenic tests, two
alternatives have been set out in full—one
for arbitration purposes and a simpler one
for limit tests. The temperature of the
viscosity determination has been raised
from 40° C. to 60° C. in order to bring it in
line with American practice, and the result
is expressed in centistokes in order to avoid
a density determination—a saving in time
which the analyst will appreciate. The
relative method of determining jelly
strength, i.e., by reference to an agreed
sample, is maintained, but for those occa-
sions where there is no agreed sample and
the Blook instrument must be used, the
analyst will be helped by the introduction
of much more detail in technique in order
that he may be assured of following the
original American method. The soaking
time, reduced from overnight to three
hours—again a considerable saving of time—
is justified, because the grist of the labora-
tory sample is $\frac{1}{8}$ in. mesh and it therefore
swells quickly. Copies of this British
Standard may be obtained on application
from the British Standards Institution, 28
Victoria Street, London, S.W.1, price
3s. 6d. net, post free.

BRITISH HERB CROP REPORTS

THE following reports on this year's crops of medicinal herbs have been received from British growers:—

Stafford Allen & Sons, Ltd.—We have been working very closely with the Ministry of Health in trying to extend our cultivation of medicinal crops. As regards the season itself, for two years in succession we have suffered badly through low rainfall, but nevertheless many of the crops up to the present are doing quite well, although, unless rain falls fairly heavily later, progress will not be too good. The sharp frost in May which did so much damage to fruit crops did not harm our medicinal plants badly; it merely gave them a slight check. Medicinal herb farming is difficult at all times, but especially now when labour is so short, as the manpower required per acre is much greater in the case of medicinal crops than in ordinary farming. The raising of seedlings and planting out afterwards is a long, tedious job and requires many hands.

ACONITE.—This has been affected by the drought and there will be only a small crop. **BELLADONNA.**—This has done very well and a heavy yield is now being cut; the check due to the frost was only slight and the plants quickly recovered and grew well afterwards. The first cut is being used for the B.P. 1898 green extract. The second cut will be dried, and if we get reasonable rain there should be sufficient for considerable supplies for sale to manufacturers.

DILL.—This is making slow progress and germination of the seed was not too good owing to the dry weather. The area sown is the same as last year. **DIGITALIS.**—Healthy and looks well, but the yield will depend on the amount of rain we get. We are growing a large acreage of *Digitalis lanata*, which is used for the preparation of its special glycosides, as well as the official *Digitalis purpurea*, for which there is a large general call. We are also manufacturing digitalin, which is made from the seeds. Before the war this was mostly imported. **HYOSCYAMUS.**—We have an exceptionally good crop of second year, in spite of the frost and drought, with very little sign of the virus diseases which so frequently damage this crop. There will therefore be a good quantity of dry herb to offer. It is too early to say much about the first year; it has come up well but is wanting rain. **LAVENDER.**—The plants look healthy and, provided the season is not too dry, we ought to have a good normal crop. **VALERIAN.**—This is suffering from lack of

water and will be a very small **CHAMOMILE.**—This is very healthy, like other crops the final result depends on the weather. **CLARY SAGE.**—Is looking very well; this is a plant which like and can stand a fair amount of drought. **BROOM.**—We have been able to collect good quantity of broom tops. We start making sparteine sulphate last year shall be able to make more this year. A valuable remedy is increasingly used by doctors who know of its excellent quality and the manufacture of it in England is now more readily obtainable than before.

Bruce, Starke & Co., Ltd.—**CHAMOMILE.** This crop is looking extremely well, has benefited by the recent rains. We expect a good yield of oil this year, of good quality owing to the amount of sun it has received. **ANGELICA.**—We hope to be distilling this oil in the near future. **LAVENDER.**—This looks well, and has also benefited by the recent rains and mild winter. We expect an average yield of oil.

W. J. Bush & Co., Ltd.—**PEPPERMINT.** The weather this season has been unfavourable. It was too dry in the early part of the season and rain has come rather late. No extra planting has taken place and oil will be scarce this year. **LAVENDER.** Not very much is grown now—the yield should be about normal. **CHAMOMILE.** does not appear that any quantity is being raised in this area.

Duncan, Flockhart & Co.—Greater attention is now being paid to the more important indigenous plants. The weather so far this season has been favourable but, owing to the later season in Scotland, it is early to forecast results. **DIGITALIS.**—The plants are now showing stronger growth than the crop will be up to the average. **VALERIAN.**—Plants are in a healthy condition and a good yield of rhizome is expected. **BELLADONNA.**—This is an important crop and the plants are in a healthy condition having suffered little from the early frost. Leaves are now being harvested and a good crop should be obtained. **HENBANE.** **STRAMONIUM.**—Seeds have germinated and the young plants look promising.

The Herb Farm, Ltd.—Owing to the winter and spring drought culinary crops are light so far, and the late frosts have done damage, particularly to the thyme; marjoram and chamomile crops are excellent. It is too soon to say what the peppermint and mints will be like, but they will

HARVESTING BOTANICALS IN ENGLAND



1, harvesting henbane (Stafford Allen & Sons, Ltd.); 2, harvesting belladonna (Stafford Allen & Sons, Ltd.); 3, harvesting henbane (Wm. Ransom & Son, Ltd.); 4, a fine crop of belladonna (Wm. Ransom & Son, Ltd.).

been at a standstill for some weeks waiting for rain. Lavender has a certain amount of shab, and nearly all the first flowering tips were killed by frost, so that the crop is likely to be fourteen to twenty-one days late. Red roses have also suffered from frost and are very late.

Joseph Flemons & Sons, Ltd.—Our productions consist chiefly of culinary herbs and English wild medicinal herbs, flowers, roots, berries, barks, etc. The collection, drying and preparation of most of these for manufacturing chemists and merchants are likely to be fairly normal despite the cold and dry early part of the season. Those likely to be in normal supply are: Alder bark (*Alnus glutinosa*), betony (water), burdock herb, carrot (wild), chickweed (wild), clivers (wild), coltsfoot (wild), comfrey herb, comfrey root, couchgrass root, fol. digitalis (early), dock root, elder leaves, fumitory, ground ivy, horehound (black), horsetail, male fern root, mallow (blue), mistletoe, mayweed, meadowsweet, mugwort, plantains, poplar bark, scabious herb, silverweed, tansy, woundwort, yarrow, parsley (culinary). Herbs likely to be in short supply are: Agrimony, avens, betony (wood), broom, centaury, colchicum corms, colchicum seeds, cranesbill, dandelion roots, elder flowers, eyebright, mellilot, water mint, nettles (scarcer than usual), parsley piert, pilewort, sanicle, sage (wood), violet leaves, wormwood, mint (culinary), sage (culinary), thyme (culinary). The position regarding hawthorn berries and buckthorn berries is as yet unknown, and the supply of late-season herbs will depend largely on the weather during the next few months. The extensive cultivation of land has considerably affected supplies of many of the herbs which were plentiful pre-war. Every effort is being made to harvest as many of the essential medicinals as possible, but we are greatly hampered by shortage of labour for collecting and processing.

Perks & Llewellyn.—The lavender is just beginning to change colour and we anticipate an average crop. A good deal of damage was done by the late frosts, but all the plants have recovered, although they will be flowering several weeks after the normal crop. Provided the flowers have a good spell of sunshine there should be an average yield of oil.

Potter & Clarke, Ltd.—Owing to the dry season many herbs will be scarce and short in length. PARSLEY PIERT.—Has been very scarce again this year owing to dry weather. CLIVERS.—Fairly good but very short in length. DANDELION LEAVES.—

Better this year but still very short. BURDOCK LEAVES.—Short owing to weather. NETTLES.—Very scarce and short in length. MUGWORT.—Too early to cut but looks very good although rather short in length. EYEBRIGHT, WOOD SAGE, COLTSFOOT, etc.—These and other small herbs require rain if crops are to be successful. At the moment they are very short and dry. COMFREY HERB.—Fairly good. WOOD SAGE, AVENS and CENTAURY.—Will be scarce. MEADOWSWEET.—Very short in length but of good quality. AGRIMONY.—Very scarce owing to the ploughing of rough land and dry weather. MUGWORT.—Scarce. RUE.—Very scarce. SASSAPARILLA.—Fairly good. SOUTHERNWOOD.—Very good. HOREHOUND.—Good quality but very short in length and seedlings short. PARSLEY.—Too early to report. Rain is essential for a good crop. MUGWORT.—Very, very scarce. SAGE.—First crop short, but we hope for better results later. This depends on the weather. THYME.—An expensive herb to grow, but crop looks good. HAWS.—Very scarce owing to frosts. This is the third dry season and is required to save most crops. This winter there was no snow and hardly rain, which has increased the difficulty of a dry spring. It is hoped that the herbs will be more satisfactory.

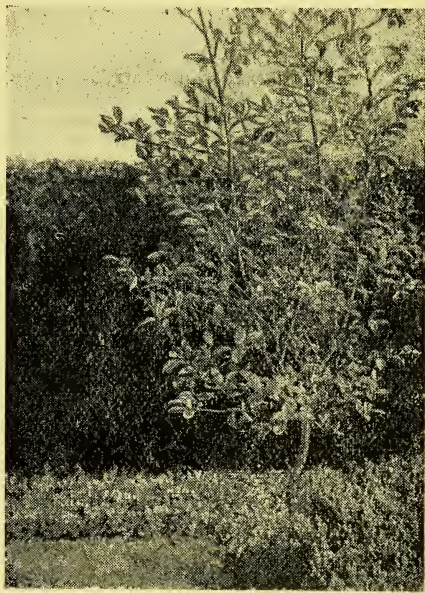
William Ransom & Son, Ltd.—As medicinal drugs and herbs are still practically unobtainable, we have endeavoured to produce again, this year, more medicinal herbs than hitherto. We have been encouraged and greatly assisted by the Director of Medical Supplies in increasing our acreage at our Wymondley Bury farm for this purpose. The fresh crops are dried at temperatures in large modern driers within an hour of cutting, the result being the green leaf of high alkaloidal strength obtained. The season this year has been rather disappointing. Down to early prospects were extremely good, but solanaceous crops (in particular belladonna) were badly damaged by the frequent frosts later in the month. ACONITE.—We have a small plantation which is now in flower. Average crop. BELLADONNA.—We have nearly sixty acres under cultivation. A good crop, particularly the plantations in the lower lying fields on the farm, was badly cut by the late spring frosts. On the high ground we are now harvesting an excellent crop. Our plantations are again completely free from disease and the leaves already dried were found to be of high alkaloidal strength. This year's sowing germinates

now requires rain. Altogether, we have to have an average crop per acre, owing to the increased acreage we are able to satisfy the demand for various preparations of belladonna, in our extract belladonnæ virid. P.B. for which there is always a ready

CHAMOMILE (*Anthem. nobilis*).—We have a few acres under cultivation. Owing to the shortage of skilled labour we are unable to grow sufficient to meet the present abnormal demand for the flowers for oil. This crop likes a dry season, and the weather is fine when cut, there will be a good yield of oil. **ELATERIUM**.—We have only a small demand for this which should be about average. **VALERIAN**.—We have a big stock of our roots, and large quantities from growers in various parts of the country have been absorbed by us. We are, therefore, not needing further supplies, as we have sufficient for our requirements for a considerable time. We have also a small acreage of *Digitalis lanata* under cultivation, for a special order. **HEARTS-EASE**.—We have increased our stock, but we shall not have enough to satisfy the present demand for the liquor made from the petals. **HEMLOCK**.—A good crop. We shall have sufficient to meet the demand. **HENBANE**.—We have the same acreage as that of last year. The crop should be about average. This year is affected by the frosts to the same extent as the belladonna. It is too early to form an opinion on the first biennial which has germinated well but remains in. **LAVENDER**.—We have several acres under cultivation, and expect an average crop. The actual yield of oil will depend upon weather conditions at the time of the distillation. For the third year in succession the frost killed flower buds in the best patches of one of the plantations. The present abnormal demand for the oil has increased the supply. **LETTUCE** (*Lactuca*).—This is looking well and should give a good crop. **LILY OF THE VALLEY**.—We have a small plantation, but the crop is suffering owing to frost and dry weather. **MINT**.—We have a small plantation, but it is too early to give an opinion on the crop. The yield of oil depends on weather conditions in August. **PULSATILLA**.—We have a small plantation. The demand has exceeded the supply, and we have sold our entire output. **RHUBARB** (*Rhaponticum*).—We have enlarged our plantation, and expect a good crop. **RY**.—A small acreage of old plants

shows normal development. The young cuttings were unfortunately eaten by rabbits on being planted out in the field. **VALERIAN**.—A small plantation. The crop will be about average. **CULINARY HERBS**.—The yield of **SAGE** and **THYME** will be poor this season, owing to lack of rainfall.

J. W. Seymour, Ltd..—We have about the same acreage of peppermint and dill as last year, and if the weather improves we are hoping for good crops. The caraway seed is already cut and in good condition. This should yield quite well, but also needs fine weather.



A flourishing specimen of *Rhamnus Purshianus* growing in the garden of a Nottingham pharmacist.

Old School Tie-up.—The Fleming Report on Public Schools has just been issued. Much paper has been exhausted in attacks upon and defences of the public-school system. More paper still is required in the manufacture of munitions of war. Send in your surplus now.

CLOSED ON SATURDAYS.—Advertisers and subscribers are reminded that owing to war conditions the Head Office of THE CHEMIST AND DRUGGIST, 28 Essex Street, London, W.C.2, is closed on Saturdays until further notice. Urgent instructions relating to advertising and subscriptions should be sent to the C. & D., 17 Argyle Street, Bath, Somerset.

INTRAVENOUS PROTEIN

THE use of hydrolysed protein intravenously for nutritional purposes was reviewed recently by Gaunt in "Nutrition Abstracts and Reviews" (1943-44, p. 501). Earlier workers showed that a protein hydrolysed into its constituent amino-acids loses none of its nutritional value, and that when given intravenously the hydrolytic products are metabolised at least as well as the intact protein given orally. Glucose must be given simultaneously to prevent wasteful use of the hydrolysates merely as a source of energy, and it is essential that the digest used should contain appropriate proportions of all amino-acids which the human body is unable to synthesise. For the maintenance of nitrogen equilibrium in adult man, the amino-acids tryptophane, lysine, methionine, threonine, valine, leucine, iso-leucine and phenylalanine must be present in ingested foods. Any essential amino-acid which is deficient in the protein as a result of its destruction during hydrolysis must be made good by ultimate supplementation with crystalline amino-acids. Thus casein digests are deficient in tryptophane and sulphur-containing amino-acids and nitrogen equilibrium may be established if tryptophane and either methionine or cystin are given with the digest. During acid-hydrolysis of casein, tryptophane is destroyed, and supplements of the thioamino acids also become necessary as it is the deficiency of the latter which limits the nutritional value of the casein. Enzymic digests have the advantage that no amino-acid is destroyed in the process, and supplementation is therefore unnecessary, but the process requires several days to complete. Digests with pig pancreas and with papain are the media used. Mixtures of pure amino-acids have also been employed intravenously to meet the body's nitrogen requirements, but such mixtures are still in the experimental stage, differentiation of amino-acids into essential and non-essential groups being not yet complete.

Intravenous injection of protein hydrolysates, by eliminating the processes of digestion and absorption, offers a physiological method of dealing with the nutrition of human subjects in a wide variety of pathological conditions in which oral feeding is impossible, difficult or ineffective. After surgical procedures, hæmorrhage and burns, in which the demand for protein is greater than normal, the digests can be used effectively either alone or as supplements to the proteins of orally ingested food.

I.C.I. RESEARCH FELLOWSHIPS

THE directors of Imperial Chemical Industries, Ltd., have offered to provide at universities in Great Britain Fellowships to be held by senior workers in chemical sciences. The scheme is announced to operate for an initial period of seven years. Fellowships will be of the average value £600 per annum, though the universities will have power to determine the emolument for each particular appointment. The directors of I.C.I. have described on broad lines the subjects in which the Fellowships are to be held, and the administration of the scheme rests wholly with the universities which will select and appoint the Fellows subject only to such conditions as to duration and tenure as the universities themselves impose.

The purpose of the directors in instituting this scheme is to strengthen the general provision in the British universities of scientific teaching and research. The directors believe that academic and industrial research are interdependent and complementary, and that substantial advances in industry cannot be looked for without corresponding advances in academic science. In their view it is important that the immediate objective should be the strengthening of university scientific departments in whatever way each university thinks to be best. No conditions whatever are attached to the directors to the tenure of these Fellowships. The Fellows will be members of university staffs and will be concerned only with the duties laid upon them by the universities. Their primary work will be in research. But they must also take some part in university teaching. It is intended not to relieve the universities from the cost of maintaining any part of their normal work but to enable them to add to what they already do.

The universities to which this offer has been made comprise the larger metropolitan universities and those which have a close geographical relation to the main centres of the company's production. Twelve Fellowships have been offered to the universities of Oxford, Cambridge and London; eight to the universities of Glasgow, Edinburgh, Manchester, Birmingham, and Liverpool, and four to the university of Durham. The directors believe that a rational policy of this character, together with a wise selection of men, both as regards capabilities and tenure of office, will lead to the emergence of a body of men capable of taking high academic or industrial positions, thereby advancing academic and industrial research.

TRADE REPORT

quotations for pharmaceutical chemicals, crude drugs and essential oils represent prices for wholesale quantities of standard quality. C.i.f. quotations do not include the war risk insurance and other abnormal charges payable in the present emergency

28 Essex Street, W.C.2, July 26

Reports from all sources this week indicate all markets have remained quiet, with no steady. With the holiday season at hand the usual quiet period may be expected during the next few weeks, with very little interest shown. Values throughout all markets are particularly steady, with no signs of importance to record this week. Business in PHARMACEUTICAL CHEMICALS is about normal for the time of year, and it consists of transactions for limited quantities. The CRUDE DRUGS market is about as for less lifeless so far as bulk business is concerned. The volume of trade in these commodities is largely restricted to the quantity of supplies available, and there is doubt there would be a sharp revival of business if good-sized consignments began to arrive, but it is too early yet to hope for a return to landings in normal quantities. It is quoted throughout for spot supplies of goods to arrive continue very steady, and quite a few products tend to become scarce. Interest in the ESSENTIAL OILS market continues small. Most of the limited supply being received by merchants is for quantities of which spot supplies are practically exhausted. There is no change to be seen in prices for "controlled" oils.

Pharmaceutical Chemicals

ANILIDE.—Crystals are quoted at 2s. 5d. and powder at one penny per lb. extra.

METAMINE.—Quoted by makers at 150s.

AX.—Makers' current rates are as follows: quality, granulated, £42 per ton; crystal, powder, £43 10s. Packed in one-cwt. bags, and carriage paid in Great Britain in ones and upwards. Commercial grades, £8 and less.

ATES.—Makers quote POTASSIUM per lb., 1 lb.—1 cwt. lots, as follows (containers in lots): 3s. 3½d. (1-lb.); 3s. 2d. (4-lb.); 3s. 1d. (3s. 0½d. (14-lb.); 3s. (28-lb.). IRON AND SODIUM (SCALES), B.P., is at 3d. per lb. and SODIUM is at 1d. per lb. below these POTASSIUM and SODIUM POWDER, 1d. extra.

AM OF TARTAR.—Controlled prices for the quantities are as follows: Less than 1 lb., 10d. per lb.; 7 lb.—14 lb., 2s. 9½d.; 28 lb., 2s. 9d. For the full schedule, see p. 555.

DEXTROSE.—Current prices per lb., in lots of 28-lb.—1 cwt., are as follows (containers in brackets): 1s. 2½d. (1-lb.); 1s. 1½d. (2-lb.); 1s. 0½d. (4-lb.); 11½d. (7-lb.); 11½d. (14-lb.); 10½d. (28-lb.).

ETHYLMORPHINE.—Current prices per oz. for small quantities are as follows: ALKALOID.—½ oz., 51s.; 1 oz., 48s. 6d.; 2 oz., 47s.; 3 oz., 46s. 3d.; 4 oz., 46s. HYDROCHLORIDE.—½ oz., 43s.; 1 oz., 40s. 6d.; 2 oz., 39s.; 3 oz., 38s. 3d.; 4 oz., 38s.

LACTATES.—Prices are as follows: LACTIC ACID.—Six-winchester lots, 2s. 10d. per lb.; smaller quantities, 2s. 11d. CALCIUM LACTATE.—Small quantities, 2s. 3d. per lb. CALCIUM SODIUM LACTATE.—Powder, small lots, 3s. 5d. per lb.; 14-lb., 3s. 2d.; 28-lb., 3s.; granular, one penny per lb. extra.

MERCURY IODIDES.—The following are makers' prices per lb.: RED, less than 7 lb., 20s. 8d.; not less than 7 lb., 20s. 2d.; not less than 14 lb., 19s. 8d. GREEN, less than 7 lb., 28s. 8d.; not less than 7 lb., 26s. 2d.; not less than 14 lb., 25s. 8d. YELLOW, less than 7 lb., 28s. 1d.; not less than 7 lb., 27s. 7d.; not less than 14 lb., 27s. 1d. net, carriage paid.

PHENOLPHTHALEIN.—Makers' prices are steady as follows: Less than 7 lb., 4s. 6d. per lb.; 7 lb., 4s. 5d.; 14 lb., 4s. 4d.; 28 lb., 4s. 3d.; 1 cwt., 4s. 2d.

VANILLIN.—Current rates per lb. are as follows: 5 cwt., 21s. per lb.; 1 cwt., 21s. 3d.; 56 lb., 21s. 6d.; less than 56 lb., 21s. 9d.

Crude Drugs

AGAR.—Selling slowly at the controlled price of 30s. per lb.

ALOES.—Curaçao continues firm on spot at 450s. per cwt.; Cape is not available.

ARECA NUTS.—Ceylon, wormy, spot, 105s. per cwt., ex store.

BALSAMS.—No change has occurred in the supply position. *Peru*, spot, 7s. 9d. per lb.; *Canada*, 10s.; *Tolu* and *Copaiba*, unobtainable.

BELLADONNA.—Indian leaves, spot, nominal at 5s. 3d. per lb.; Indian root, 0.36 per cent., 330s. per cwt.

BUCHU LEAVES.—Limited supplies are quoted at 5s. 3d. per lb.

CAMPHOR.—Chinese crude, in small compass on spot; 10s. per lb., and B.P., in similar quantities, 11s. 6d., to approved buyers only.

CARDAMOMS.—Business quiet; prices unchanged. Aleppy greens, spot, 5s. 6d. per lb.; Aleppy seed, 6s. 6d.; and split seed, 5s. 6d.

CHAULMOOGRA.—*Hydnocarpus*, spot, in tins in cases, 1s. 6d. per lb.

CHILLIES.—Mombasa is the only variety offered; spot, 115s. per cwt., sellers,

CLOVES.—Spot quotations for Zanzibar are steady at 1s. 4½d. per lb.; to arrive, unquoted.

COLOCYNTH.—Fair white pulp may be obtained on spot at 2s. 10½d. per lb.

DIGITALIS LEAVES.—Portuguese leaves, steady on spot at 140s. per cwt.; English-grown, 2s. 6d. per lb.

DRAGON'S BLOOD.—Zanzibar drop is nominal at £25 per cwt.

ERGOT.—The firmer shipment terms noted last week are well maintained, with the landed price not less than 6s. 3d. per lb. With inquiry fairly active the value tends to harden.

GUM ACACIA.—Spot price of Kordofan cleaned sorts remains at 80s. per cwt.; bleached, shipment, 140s., c.i.f.; spot, 185s. Talha, cleaned, 50s. per cwt., landed.

HENBANE.—Indian leaf is priced at from 250s. to 275s. per cwt., according to holder; some low-testing material may be obtained at 1s. per lb.; Russian leaf, 350s. per cwt.

JABORANDI.—Spot price remains at 52s. 6d. per cwt., but supplies are meagre.

KAMALA.—Material with 6 per cent. ash would fetch 2s. per lb.

LIQUORICE ROOT.—Russian root, for pharmaceutical purposes, 85s. per cwt.; small supplies of single-peeled Syrian, spot, 110s. per cwt., subject to D.M.S. approval.

MENTHOL.—Business is negligible due to lack of supplies.

MERCURY.—Official quotations range from £68 10s. to £69 15s. per flask, according to conditions and quality, with higher prices for smaller lots and redistilled grades.

MYRRH.—Aden sorts, spot, £20 per cwt., but supplies are short.

NUTMEGS.—West Indian, wormy and broken, spot, 1s. 5d. per lb.; sound unassorted, 1s. 7½d.

PIMENTO.—Sellers on spot at 1s. 4d. per lb.

RHUBARB.—Moderate inquiry continues, with the market fully steady. Spot supplies of rough-round, 10s. 6d. to 11s. per lb., with irregular shapes Shensi at about 14s. per lb.

SEEDS.—No change in quoted values; market quiet, supplies short. **CORIANDER.**—Indian, 75s. per cwt. **CUMIN.**—Maltese, spot, 105s.; Indian, 100s. **DILL.**—125s. ex wharf. **FENNEL.**—Offered at 85s. **FENUGREEK.**—May be had at 80s. **MUSTARD.**—Controlled prices are unchanged.

SENNA.—Alexandrian medium pods are at 4s. per lb.; Tinnevely, manufacturing grade, 6d. to 6½d.; hand-picked, 8½d. to 1s.: broken Alexandrian leaves, 1s. 3d. to 1s. 4d.; siftings, 1s. 2d.; Tinnevely, No. 1, 9d. to 10½d.; No. 2, 7d. to 7½d.; No. 3, 5½d. to 6d.

STRAMONIUM LEAVES.—East Indian available on spot at 80s. per cwt.

STROPHANTHUS SEED.—Spot price of 100 per cent. Kombé seed remains at 7s. to 7s. 6d. per lb., according to quantity.

TRAGACANTH.—Prices of the medium grades

are unchanged as follows: No. 1, white, per cwt.; No. 2, white, £115; No. 3, £100; No. 4, white, £85; pale leaf, £60; leaf, £50; dark amber, £40; brown leaf, red-and-brown leaf, £25; red leaf, from hogg, £12 to £15.

TURMERIC.—Demand continues. Madra ger, sound-quality, spot, 57s. 6d. per cwt.

VALERIAN ROOT.—Indian root, spot, q at 95s. per cwt.

WAXES.—Bees'.—Supplies may be obtained only through members of the Association of Merchant Distributors of Beeswax; prices are as follows: Crude, 260s. to 290 cwt.; refined, 315s. to 355s.; bleached, to 370s.; Calcutta, crude, 250s. to 300s.; Calcutta, bleached, 325s. to 335s. **CARNAU** Fatty grey, 440s. per cwt., ex store, in minimum one-bag lots; shipment, 390s., Primeira, 525s. to 540s. per cwt., ex store, in 530s., nominal; chalky grey, 430s., non shipment, 377s. 6d., c.i.f. (c.i.f. prices in ½ per cent. W.R.I.). **CANDELLA.**—Undertone, 220s. per cwt.; 1-5 tons, 217s. 5 tons and over, 215s., ex store. **OURI**—Spot, 290s. to 330s. per cwt., as to quality.

Essential and Expressed Oils

ANISE (STAR).—No bulk supplies offered. Price nominal at about 160s. per lb.

BAY.—If available on spot, price would be the region of 12s. per lb.

CASTOR.—Official quotation for firsts is per ton, and that for seconds, £90, both in ex works, in bulk quantities.

CINNAMON.—Leaf oil, if available, would be worth approximately 13s. 9d. per lb.

CLOVE.—English distillers' prices are steady at 11s. 6d. to 12s. per lb., according to quantities.

EUCALYPTUS.—Oil containing 70 to 75 per cent. cineole is quoted on spot at around 7s. per lb.

GINGERGRASS.—In limited compass on spot at 22s. 6d. per lb.

NUTMEG.—English distillers' prices are changed at 35s. per lb., with lower rate for quantities.

OLIVE.—Edible oil is quoted at 25s. 9d. gallon (9 lb.), ex store.

PALMAROSA.—May be had in small compass at approximately 55s. per lb.

PEPPERMINT.—In good demand; price nominal at 190s. per lb. Supplies are negligible.

"C. & D." Quiz No. 33.—The answers to questions on page 110 are: 1. W. A. Lampard, 1796. 2. Liq. magnes. cit., B.P.C. 3. Let opium—the dried latex of lettuce. 4. Kieselguhr. 5. Adrenaline. 6. Derris root, the root rhizome of *D. elliptica* and *D. malacca*. 7. George Fownes. 8. Lead oxide, PbO. 9. Menachen in Cornwall, by W. Gregor, 1810. Stannic chloride, SnCl₄ · 5H₂O.

IN BUSINESS STILL

Replies by Proprietor Pharmacists to Lord Trent's Statement in the House of Lords
(See C. & D., July 22, p. 87)

C. Condry U'Ren (*Condry U'Ren & Plymouth*).

Lord Trent's remarks in the House of Commons that his firm could, if it wished, outdo all the chemists in this country in business, was, if correctly reported, an unfortunate and foolish statement. Lord Trent said that he added "it would not have been so if it had been that 'it is a thing you just do.'" We must give him credit for that. He would not if he could, but he would be more correct to say that he could not. It is a fact that Boots, having absorbed some of the best business in pharmacy, and have thereby considerably to their strength and credit. The main reason for this is that the chemists owning these businesses, built up by individual efforts, have made them so strong that when their owners contemplated retirement the price was beyond the means of the average pharmacist purchasing business. But, just as individual pharmacists have built so well in the past and are still doing, so will they continue to do in the future. Neither Lord Trent's firm nor any other combination can crush individualism, and it will be a sorry day for the country if ever it comes about. As with all other industries, the proprietor pharmacist, efficient, gives good service and personal attention to his customers, cannot put out of business by any other method under normal conditions. Personality counts here more than anywhere.

J. B. Eason (*Cardiff*),

Lord Trent could not have been so serious when he stated that if they wanted to, their firm could have the whole of the chemists of this country out of business during the past few years. This, I consider, is not borne out by facts. I have been in business for many years, and have not noticed any decrease in the number of chemists' businesses during that period, in spite of the fact that Lord Trent's firm has opened hundreds of branches, sometimes in the same block as an independent chemist. I have had personal experience in the multiple stores' method of doing business, and came to the conclusion many years ago, that the individual chemist had nothing to fear from them, and that he had energy, enterprise, experience and ambition. The individual chemist enjoys one great advantage over the

company chemists, as he makes personal contact with his customers, and can render a better and more intimate service to them. I have noticed that, in opening shops in a new district, the initiative is usually taken by an individual chemist, and the company chemists come and open near by, after he is established. Even then the individual chemist can hold his own. Individual chemists seem to have made a very comfortable living from their businesses—and that without the help of sidelines. In view of these facts, I suggest that Lord Trent's magnanimous declaration: "It is a thing you just do not do" should read "It is a thing you *can* not do."

Mr. A. G. Bradburn (*Vice-president, Portsmouth Chemists' Association*).

Any chemist in business for himself who believes the statement by Lord Trent will now know how it comes about that he is still allowed the privilege of running his business under war-time conditions. He will be able to disabuse his mind of the idea that it is due to his own initiative, industry and courage; or to his sense of responsibility to the community which he serves. He now knows that it is solely by the grace of Lord Trent and his executives who, in the spirit of *noblesse oblige*, carefully avoided any course of action which might endanger the well-being of any individual chemist. What utter nonsense! Is Lord Trent's memory so short that he cannot remember the innuendoes made against the private chemist in the series of advertising films sponsored by his company in the decade before the war? Or the implication, by poster and Press advertisement, that his should be the only firm to be trusted with the nation's dispensing? What Lord Trent said is neither true nor genuine. Leaving aside other multiple firms and the "co-ops" (the existence and strength of which Lord Trent seemed to have forgotten in his dictum) we assume that he envisaged his organisation enjoying the monopoly of qualified pharmacy, and therefore of being in a stronger position than the Pharmaceutical Society itself! The strength of the private chemists lies in realising that they are numerous enough to influence the trend of events—through the Society of which they are compulsory members and the National Pharmaceutical Union of which they should be voluntary members.

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real and address to the Editor

Appreciation from Scotland

SIR,—Mr. G. A. Mallinson's "Open Letter to Lord Trent" (*C. & D.*, July 22, p. 86) is warmly applauded by Scottish chemists, who regard it as a masterpiece of "counter-offensive." The line taken represents the opinion of Scottish chemists and wholesalers alike, whose interests are interwoven in one "united front." Your editorial "Delay in N.H.I. Payments" is also welcomed by Scottish Panel chemists, who in many areas have for years suffered from this disadvantage. A speed-up on the lines you advocate is long overdue.

Yours faithfully,
SCOTIA.

copies sent, only sixty-eight (just 30 cent.) have been returned. This is not an example of the apathy that exists it shows little appreciation of the effort of the committee on behalf of members of the work involved. May we, through your columns, appeal to pharmacists support their local branches and, in particular, urge members of this branch to return the questionnaire?

Yours faithfully,
E. A. TOMBLIN, President
A. A. WOMPRA, Secretary
Leicester Branch
Pharmaceutical Society

Leicester.

Self-adhesive Plasters

SIR,—Perhaps you could find space in your journal to make the following announcement:—

Medical and surgical self-adhesive plasters now contain a proportion of synthetic rubbers. Their life continues to be adequate for all reasonable requirements, but they cannot be guaranteed to withstand storage over long periods.

Stockists are advised to rotate their stocks regularly to eliminate the possibility of goods lying on shelves. Stock which has not been turned over may deteriorate and cannot be replaced or credited by the manufacturers.

Yours faithfully,
H. N. BREAM, Secretary,
Medical and Surgical Plaster
Leicester. Makers' Conference.

Apathy in Pharmacy

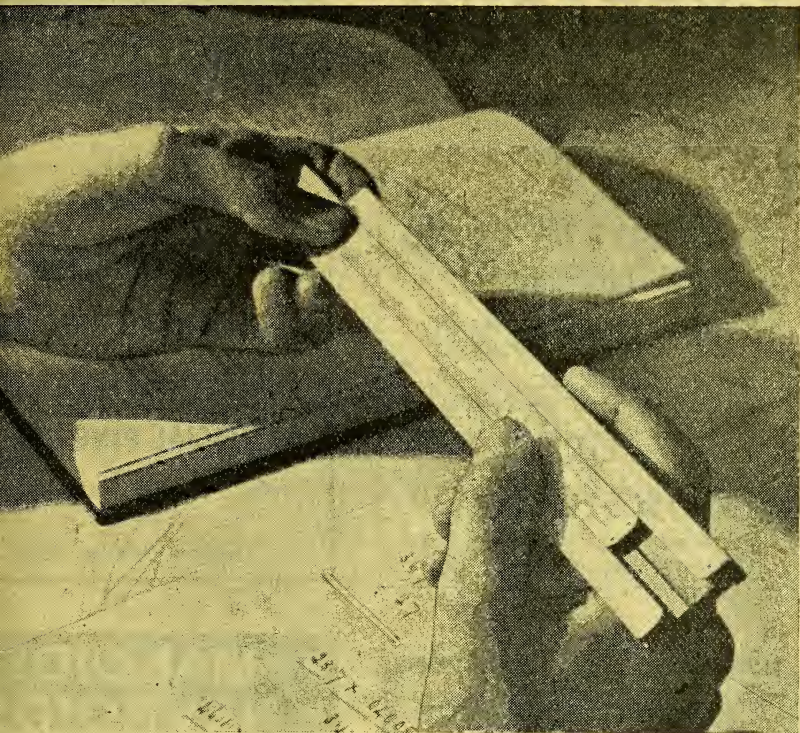
SIR,—We are at a loss to understand the apathy of pharmacists generally concerning questions bearing vitally on their own future. The lack of votes in the Council election and the average attendance of 10–20 per cent. at branch meetings seem to indicate the complete failure of many pharmacists to grasp the significance of current affairs. Or can it mean that they are making so much money just now that they are content to adopt a "sufficient unto the day" policy? In an attempt to correlate the views of the members of this branch, the committee sent out a questionnaire covering the entire field of the proposed National Health Service. Out of 224

Voicing Pharmacy's Views

SIR,—I offer the opinion as a pharmacist, that, so far as sectional interests are concerned, the reason for the expressed inactivity of the T.U.C. groups in pharmacy is that they make a separate approach to the Ministry of Health (*C. & D.*, July 22, p. 94) is logically yet fundamentally detrimental to the cohesion of the Membership, figures of pharmacists in three T.U.C. unions do not together represent even those of the Pharmaceutical Society branches in London (approximately 3,000). The total branch membership for England and Wales is, I believe, approximately 16,000, of which number more than 10 per cent. are employee pharmacists. The tail is endeavouring to wag the head. Your summary of the situation is helpful. I suggest, for the consideration of members, that the best way out is for every branch of the Society to call together its employees as soon as possible to discuss with the remainder the proposed pharmaceutical arrangements. Under the new branch rules (from the Society's Calendar) it is laid down that one of the objects of the branches is "Providing opportunity for members to raise and discuss matters of common interest and to express their collective opinion thereon." The machine is thus at hand. I submit members should be the best arbiters of what is best for pharmacy under the three heads: service to the public; professional pharmaceutical arrangements; and economic factors. The issues should be kept out of politics. Above all, the watchword for pharmacy is, or ought to be, "service."

Yours faithfully,
New Barnet. G. H. ARMITAGE

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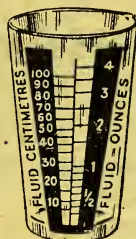
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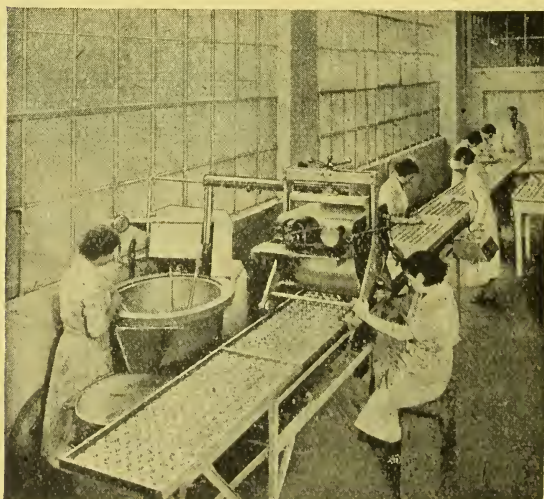
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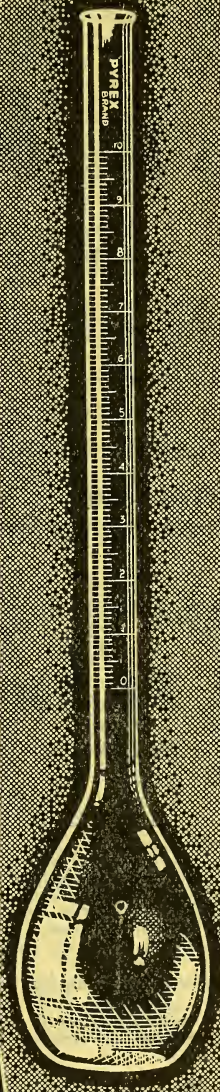
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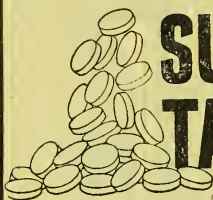
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COLWYN BAY	Odeon
DARWEN	Olympia

HARROGATE	Odeon
LLANDUDNO	Scala
MIDDLESBROUGH	Odeon
"	...	...	Gaumont
"	...	...	Hippodrome
"	...	...	Odeon
RHYL	...	...	Pavilion
WREXHAM	...	...	Odeon

.. and you with EXTRA sale

W/C 7th AUGUST :

HALIFAX	...	...	Electric
"	...	...	Odeon
"	...	...	Picture H'se
HULL	...	...	Holderness Hall
ROTHERHAM	...	...	Regal
SHIPLEY	...	...	Picture H'se
SKIPTON	...	...	Regal
SOWERBY BRIDGE	...	...	Electric
WAKEFIELD	...	...	Carlton
"	...	...	Empire

W/C 14th AUGUST :

BILSTON	...	...	Odeon
BLACKHEATH, Staffs.	...	...	Odeon
BURTON-on-TRENT	...	...	Electric
CORBY	...	...	Odeon
NEWCASTLE-on-TYNE	...	...	New W
"	...	...	Odeon
"	...	...	Pavilion
"	...	...	Queens
SMETHWICK	...	...	Electric
"	...	...	Rink
STAFFORD	...	...	Odeon
WILLENHALL	...	...	Picture

.. if you will make 'tie-up' display

W/C 21st AUGUST :

ABERDEEN	...	...	Odeon
"	...	...	Palace
"	...	...	Picture H'se
ALLOA	...	...	Gaumont
AYR	...	...	Odeon
"	...	...	Picture H'se
DUNDEE	...	...	Kings
"	...	...	Odeon
"	...	...	Hilltown
GAINSBOROUGH	...	...	Grand

W/C 28th AUGUST :

DARLINGTON	Al
"	An
"	Co
"	Mi
LIVERPOOL, Aigburth	Ri
"	Ca
"	Gt. Crosby
"	Co
"	Pl
"	En
"	Wavertree
OLDHAM	Or

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JULY 29
1944

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